

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

GARDEN, FLOWER *and* FIELD SEED

1908

ANNUAL

U. S. Department of Agriculture
Washington, D. C.



MORGAN & MCKAIG

Seedsman

NORTH YAKIMA

WASHINGTON



WE take pleasure in presenting to our friends this catalogue in which we have condensed the list of seeds and plants mostly appropriated to our western country. Some Seedsmen offer each year, in great numbers, novelties, from every part of the globe, which they claim will eclipse all others varieties known, and which novelties they sell at exorbitantly high prices. Such catalogues are only enjoyed by people who like to be humbugged.

Our aim is to offer you only what we know, through our long experience in this part of our great country, to be perfectly adapted to our climate and soil, and leave out all that may be **a good money making for seedsmen**, but as a rule is **an expensive experiment** to the market gardener.

In selecting our stock we have spared neither money nor time, but have secured the best that can be procured. We have included in this list vegetables and flowers that have, after years, proven to be a success.

The importance of planting is the first consideration. Remember, **Poor seeds, poor crops if any crops at all**, and cheap seeds are dear at any price. Get only the best and you can be **sure you will get it through us**.

Seeds of the best quality are apt to fail through improper treatment by sowing the seed too deep or too shallow, in too wet or too dry soil. They differ greatly as to the temperature required for germination. Some will germinate rapidly at a certain temperature, while others, if sown under the same conditions, are apt to decay. The young plants are liable to various accidents, cold or dry air may check their growth, or destroy them. Insects above and below the ground may attack them, and a great many other contingencies may arise to prevent the best seeds from giving satisfaction, and for all these reasons it is impractical to **GUARANTEE** seeds.

We give no **WARRANTY**, expressed or implied, as to description, quality, productiveness or any other matter, of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.



A FEW HINTS ON MAKING A GARDEN

THE soil for a vegetable or flower garden should be free from stones or stumps and easily cultivated. Wet land, that cannot be drained, should be avoided, as all crops suffer more from too much water than from drought. Land which has a gentle rolling or undulating surface, with a southern exposure, is the most desirable for general gardening operations, since it receives the full sunlight and allows the most perfect control of the water that falls upon it. It is not absolutely necessary that the exposure should be a southern, as good gardens are grown in any exposure, but a southern exposed ground can be worked sooner in the spring and, by so doing, raise 2 crops a year on the same ground. A garden should be cultivated often, as cultivation prevents evaporation and so saves the moisture in it. Water should not be applied unless the crop is suffering for it. Whenever the garden has been irrigated it should be cultivated, as soon as possible, to prevent the soil from baking. The water must be applied enough to nicely moisten the land, but avoid getting it water-soaked. The crops should be rotated to avoid insect enemies, to deepen the soil and to use the plant food in the land to best advantage, since crops vary very much in the amount of the different elements which enter into their composition. Some plants feed largely near the surface, while others take their food mostly from a lower level. Root crops should not follow root crops, nor should vines follow vines for many years in succession on the same land. Nitrogen, phosphorus and potash are the most important elements in the composition of our cultivated plants, and must be furnished to the ground in a great quantity if good crops are expected.

Rotten stable manure contains the most of them, and must be put on the garden as often as possible. Horse manure, being loose and light, ferments very quickly, and, on this account, is better for early spring crops or to warm hotbeds, than other manures.

By the proper cultivation of the garden we accomplish three things: (1) The weeds are kept out so they do not shade the young plants, neither take away any plant food or moisture. (2) The surface of the soil is brought into best condition to resist drought and to take in all the moisture from rains. (3) The inert plant food in the soil is made soluble by the combined actions of the sun and the air.

In order to secure a good germination of the seeds, they ought to be sown in mellow soil, and this packed around them just firm enough to bring it in good contact. Unless the seed is carefully and properly placed and covered, the crop cannot get a good start. Seeds will not sprout in the absence of air and, on that account, seeds that are sown too deep fail to come up.

In planning the garden it is important to put all the perennial crops, or all crops maturing at about the same time, together, so as to render the work of cultivating easier. Seeds have to be put in the ground at different times in the spring. Some can be sown as soon as the ground can be worked, while others, such as beans, corn and all vines, must not go in till danger of frost is passed and the ground is warm.

Most people sow the seeds too deep, and then blame the seedsmen for selling poor seeds, when the fault is theirs. All small seeds, like cabbage, lettuce, onion, etc., should not be sown deeper than $\frac{1}{4}$ inch, and, in good many cases, when the spring is rather wet, $\frac{1}{2}$ inch would be better. Beans will do best if sown about 2 inches, while sweet corn ought to be covered 1 to 1 $\frac{1}{2}$ inches deep. Peas are the only crop that will do well if planted more than 2 inches deep.

Anyone having a vegetable garden, and wishing to have early crops, ought to make a hotbed to start the early plants in the months of February and March, and set them outside as soon as the weather permits.

HERE ARE A FEW HINTS TO A BEGINNER HOW TO MAKE A HOTBED:

First pile up some fresh horse manure, not taking too much bedding, and wet it thoroughly. In two or three days it must be turned over, throwing the outside manure in the center of the new pile and breaking up all the lumps. It will have to be turned once more before it is ready to put in the bed. Dig a trench 5 feet 8 inches wide by 24 or 30 inches deep and any length desired. In the trench put the manure that has already been heated, putting a layer of 6 inches at one time, and then wetting it good, and keep putting 6-inch layers and wetting every time till you have two feet of manure, and then top it with 6 inches of well pulverized soil. Then make a frame with one or two-inch boards, 12 inches wide for the back, and 6 inches for the front, and cover with sash 3 by 6 feet. If you cannot get a glass sash, a wooden frame of same dimensions, covered with hotbed cloth, will be almost as good. After the soil is on the manure, the bed will commence to heat up, but will be too hot to sow seeds, and it will take about a week before it is safe to sow it. Care should be taken to water the hotbed enough, and ventilate it whenever the weather permits, or the plants will be liable to be damped off and die. Shutters and mats are used for covering the sash at night to prevent too rapid radiation of the heat. Manure stacked against the frame will help to keep the frost out.

Insects will attack the vegetable garden and some, as the cut worm, are hard to kill off. The only sure remedy against the cut worm is to envelop the stem of the plant with a piece of paper projecting a couple of inches above the ground and one-half inch in the ground.

Fleas, on turnip and cabbage, can be destroyed by using either powdered tobacco or Slug-Shot, and worms that eat the leaves will be destroyed by spraying the leaves above and underneath with Kerosene Emulsion or Bordeaux Mixture. **Kerosene Emulsion** is made by mixing thoroughly 15 to 20 per cent. of kerosene with 80 to 85 per cent. of clear water. On melon and squash vines 10 to 12 per cent. of kerosene is enough or it will burn the leaves. **Bordeaux Mixture** is made by slacking four to eight pounds of quick-lime in one-half bucketful of water, adding 4 ounces of Paris Green and then mixing thoroughly with a barrel of water into which has been dissolved 4 lbs. of Copper Sulphate (Blue Vitriol).

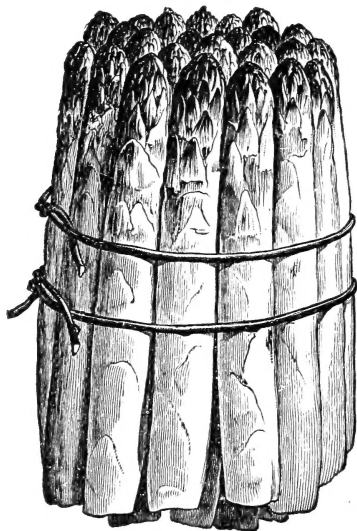
GENERAL LIST

— OF —

STANDARD VEGETABLES

ASPARAGUS

CULTURE—Sow the seed thinly in rows one foot apart, as soon as the ground is warm, in March or April, covering the seed from $\frac{1}{2}$ to $\frac{3}{4}$ inch deep. Thin out the seedlings to three or four inches in the rows, saving only the strongest. The one-year plants should be set out in the spring, in a good, rich, sandy soil, dug 20 to 24 inches deep, into which has been worked plenty of well-rotted manure, and the plants should be at least six inches below the surface and one foot apart in the row. If it is a stiff clay soil it should be loosened up by mixing plenty of sand, or even coal ashes, and be well drained. One ounce of seed will produce about 300 plants.



CONOVER'S COLOSSAL. The standard, sending as many as thirty shoots; Pkt. 5c; Oz. 10c; $\frac{1}{4}$ lb. 20c; Lb. 60c.

PALMETTO. Bright green and very early; Pkt. 5c; Oz. 10c; $\frac{1}{4}$ lb. 25c; Lb. 75c.

COLUMBIA MAMMOTH WHITE. A choice variety with white stalks; Pkt. 5c; Oz. 10c; $\frac{1}{4}$ lb. 25c; Lb. 75c.

BEANS

CULTURE. A succession of sowings can be made from the first week in May until August. Plant in drills about two inches deep and from eighteen inches to two feet apart, according to the richness of the soil—the poorer the soil, the closer they can be planted; the plants should be about three inches apart. One pound to 50 feet of drill; eighty pounds to an acre.

Green Pod Varieties

BURPEE'S STRINGLESS. A valuable addition to the green-podded sorts; extra early, round fleshy pods; very brittle and almost entirely stringless, and without doubt the best green-podded bean known. Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 20c, 2 lbs. 35c, 10 lbs. \$1.35.

GIANT STRINGLESS VALENTINE. Resembles the Valentine, though pods average one-third larger and usually are stringless. Is fully a week earlier than the Improved Valentine. Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 20c, 2 lbs. 35c, 10 lbs. \$1.35.

EARLY YELLOW SIX WEEKS. An early snap short variety, producing edible pods 30 days after germination. Very bushy, erect. Pods long, flat, straight. Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 15c, 2 lbs. 25c, 10 lbs. \$1.00.

IMPROVED EARLY RED VALENTINE. Is ten days earlier than any other stock of Valentine beans ever offered. In addition to this, it is more productive, grows a stronger and more thrifty vine, and yields larger and better filled pods than does any other strain of this variety. Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 15c, 2 lbs. 25c, 10 lbs. \$1.00.

REFUGEE, or BROWN SPECKLED VALENTINE. Matures in forty days after germination; pods round and fine in flavor. Habit of growth vigorous—requires twice the ordinary room. Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 15c, 2 lbs. 25c, 10 lbs. \$1.00.

DWARF HORTICULTURAL. Vines are very compact. Pods medium length. It is undoubtedly the best variety for green shelled beans, in which condition they are very large; also good as shelled beans for winter use. Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 15c, 2 lbs. 25c, 10 lbs. \$1.00.

Yellow Pod Varieties

DWARF BLACK WAX. Known in many localities as Butter Beans. A very superior snap-short, ripening among the first earliest, and having the best characteristics. Pods round, yellowish white, fine flavor. Continues in bearing 40 days. Habit of vine dwarf and compact. Pkt. 5c, $\frac{1}{2}$ lb. 15c, 1 lb. 20c, 2 lbs. 35c, 10 lbs. \$1.35.

CHALLENGE DWARF BLACK WAX. A distinct extra early wax bean, vigorous and productive. Pods large and of good color, growing uniform and well together. Pkt. 5c, $\frac{1}{2}$ lb. 15c, 1 lb. 20c, 2 lbs. 35c, 10 lbs. \$1.35.

IMPROVED GOLDEN WAX. The pods are large, long, brittle and entirely stringless, and of a beautiful rich golden wax color. As a Snap Bean it excels every other variety in tenderness and rich, buttery flavor, while as a shell bean for winter use, it has few or no superiors. It is very prolific, of dwarf, compact growth. Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 15c, 10 lbs. \$1.25.



Golden Wax.

WARDWELL'S KIDNEY WAX. We consider this new variety the best of all the wax beans. It is as early as the Golden Wax; pods very large, long, tender, stringless and of a fine light golden color. It grows taller than Golden Wax, and out-yields it by far. We recommend it highly, both for private and market garden. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 40c, 10 lbs. \$1.50.

DAVIS' WHITE WAX. Immensely productive, bearing large, handsome, straight pods five to six inches in length. The Pods are almost without strings when of good size, one of the best for canners as it does not discolor. It is also a good shipper. The dry seed being white and of medium size, is desirable also for winter market as a shell bean. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 40c, 10 lbs. \$1.50.

Beans—Bush Lima

HENDERSON'S BUSH LIMA. The new Bush Lima grows without the aid of stakes or poles. It is compact bush form, from fifteen to eighteen inches high and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common bush beans. Pkt. 5c, $\frac{1}{2}$ lb. 10c, lb. 20c, 2 lbs. 35c.

BURPEE'S BUSH LIMA. It is the true bush form of the old Large Lima Pole Beans. It grows vigorously to a height of eighteen to twenty inches, forming a circular bush two to two and a half feet in diameter, yielding from fifty to one hundred fine pods similar to those grown on the Large White Pole Lima. Pkt. 5c, $\frac{1}{2}$ lb. 10c, lb. 20c, 2 lbs. 35c.

BROAD WINDSOR. This class is very hardy, and should be planted as soon as the soil is in good state in the spring. Plant four inches apart and two inches deep in hills four feet apart. Pkt. 5c, $\frac{1}{2}$ lb. 10c, lb. 15c, 2 lbs. 25c.

Beans—Pole or Running

All the following Pole Beans: Pkt. 5c, $\frac{1}{2}$ lb. 10c, 1 lb. 20c, 2 lbs. 35c.

KENTUCKY WONDER. Vine vigorous, climbing well and very productive, bearing its pods

in large clusters; pods green, very long, often reaching nine or ten inches, nearly round when young and very crisp, becoming very irregular and spongy as the beans ripen.

DUTCH CASE KNIFE. Pods long, green and flat; can be either snapped or shelled.

CUT SHORT OR CORN HILL. An old variety, very popular for planting among corn; pods short, round and tender; beans nearly oblong.

LARGE WHITE LIMA or BUTTER. Rich and finest flavor and estimated to be the best of pole beans.

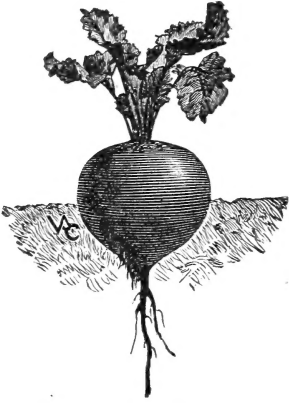


Lazy Wife.

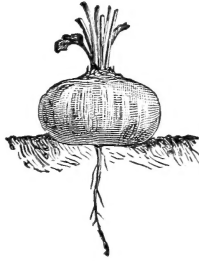
LAZY WIFE. This sort is popular in many localities. As its name indicates, a handful of choice, stringless pods at a single grab. The pods are broad, thick, very fleshy and entirely stringless, and possess a rich buttery flavor when cooked. The beans are white and make a very good dry bean for winter use; may be grown either on poles or on corn.

BEETS

CULTURE. Sow as early in the spring as the ground can be worked and every two weeks after, up to the middle of July. For general crops sow about the twentieth of May. The soil should be deep, rich and mellow, plowed deep and harrowed until very fine. Drop about one inch deep in drills twelve to eighteen inches apart, and when well up thin to four or six inches. The tops of the young beets can be used as greens. One ounce will sow 60 feet drill. Six pounds to an acre.



Early Blood Turnip.



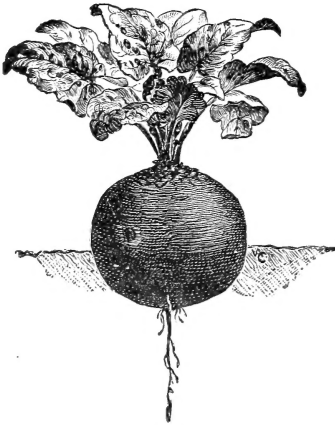
Beet—Egyptian.

EXTRA EARLY EGYPTIAN. A very extra early turnip shape variety. Has small tops and grows quickly. The flesh is in alternate rings of white and deep red. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EARLY BLOOD RED TURNIP. Here we have the old standby, the turnip beet, with its dark red color, well known to so many homesteads. It is useless to occupy space in describing it; suffice to say it is a good variety for family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

THE LENTZ. It is as early as the Egyptian, flesh very tender and sweet at all times, whether old or young; very productive, good keeper, and will produce a crop in six weeks from the time of planting the seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

DETROIT DARK RED. A choice strain of dark-red turnip beet; fine shape, smooth roots, small tops, very tender and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



Beet—Eclipse.

ECLIPSE. It is nearly as early as Egyptian and much more desirable, owing to its globe shape, great smoothness and regularity, having a firm, small top, very sweet, very fine, and dark blood color. It is very desirable for market gardeners on account of its extreme earliness, as well as its other numerous good qualities. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

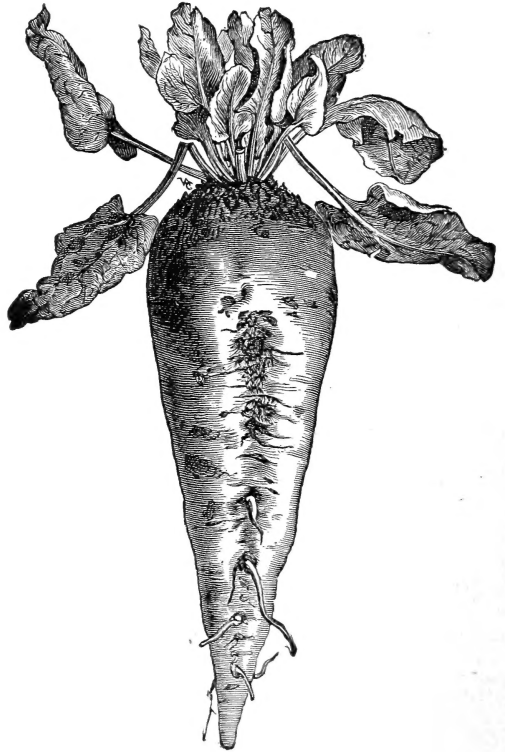
LONG BLOOD RED. An old standard variety, used for table and cattle; resists drouth better than any of the other varieties of beets; color deep red, flesh very sweet, grows entirely underground. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Sugar Beet and Mangel Wurzels

For Stock Feeding.

CULTURE. Sugar Beets and Mangels require same soil as garden beets, but plowed deeper. Sow in May or June in rows eighteen to twenty-four inches apart and thin from fifteen to eighteen inches in rows. Young plants can be transplanted to fill up vacancies. When the plants are three or four inches high a top dressing of 200 to 400 pounds of concentrated fertilizer would help the crop very much. As soon as frost commences they should be dug up and heaped up at a height of four to six feet, on a dry, well drained place, and covered, at first lightly with loose straw or hay to prevent heating, and when the ground begins to freeze, a layer of five or six inches of soil must be placed over the entire heap. Sow four to five pounds to an acre. If for sugar factory, 12 to 20 pounds.

Prices for all the following Mangels and Sugar Beets: Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c, 5 lbs. \$1.25, 10 lbs. \$2.00.



Sugar Beet.

RED TOP SUGAR BEET. It unites capacity for a large yield with an exceedingly rich flesh, making it the best for cattle feeding. Tops medium sized, roots above medium size, long top-shaped, growing slightly above the surface; white, washed with red at top; flesh fine grained and very sweet.

VILMORIN'S IMPROVED SUGAR. A variety out of which much sugar has been made; skin cream color, flesh white; an average of fifteen tons per acre can be produced.

WHITE KLEIN WANZLEBEN SUGAR BEET. This variety has proved to be a very valuable sort, not only in foreign countries, but as well in Colorado and other sections of this country, where it has been thoroughly tested. It has a rather long, slender root, very rich in sugar, and grows deeply sunk in the ground, and it is claimed to yield under average conditions about sixteen tons to the acre, containing 15 to 16 per cent. of sugar.

LANE'S IMPERIAL SUGAR. This beet will yield almost as much in bulk as the best mangels, and contains a larger percentage of sugar. The roots are smooth, broad at the shoulder and gradually taper to the base. They grow with a considerable portion above the soil and are easily harvested. Light-green foliage, smooth, whitish-green skin, and crisp, snow-white flesh. Highly recommended by agricultural stations as a stock feeding beet.

RED GLOBE MANGEL WURZEL. A large, round variety, of excellent quality, productive and a good keeper; color light red, flesh white; better adapted to shallow soil than the long varieties.

YELLOW GLOBE MANGEL WURZEL. More delicate than the long red; more easily pulled.

GOLDEN TANKARD MANGEL WURZEL. This is undoubtedly one of the most profitable varieties to grow for stock, as it is an enormous cropper, and said to be one of the most nutritious Mangels in cultivation. Color bright yellow.

MAMMOTH LONG RED MANGEL WURZEL. A particularly fine stock of Mangel. The roots attain enormous size, smooth and regular in shape.

CABBAGE

CULTURE. The ground should be highly manured, deeply dug and thoroughly worked. A heavy, moist and fresh loam is very suitable. For early cabbages the seed should be sown in a hot-bed, in March, and transplanted in the field in April, two feet one way and fifteen to eighteen inches in the other. For late, or winter crops, the seeds may be sown either in a cold frame or even in the open ground, in April or beginning of May, and transplanted, when they are four or five inches high, in rows two or three feet apart and from eighteen inches to two feet in the row. To destroy the green worm, so destructive to the leaves, take one ounce of salt-peter and dissolve in three gallons of water, and sprinkle the plants well. Unless it is washed off by rains, one application is sufficient. To destroy the flea, which attacks the young plants, sift fine air-slacked lime or tobacco dust as soon as the flea appears above the ground. One oz. produces about 2,500 plants.

EARLY WINNINGSTADT. A well known and very popular early variety, in season very close to the Wakefield; heads large, decidedly conical; leaves bright, glossy green; heads solid and hard, even in summer. This is a very sure-heading variety; valuable not only for early use, but also for winter cabbage. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Cabbage—Early Winningstadt.



Cabbage—Flat Dutch.

EARLY DWARF FLAT DUTCH. Has succeeded admirably on account of its ability to resist heat; it never flaws under the severest sun, and produces very fine large heads after the earliest sorts have disappeared. We recommend it highly. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

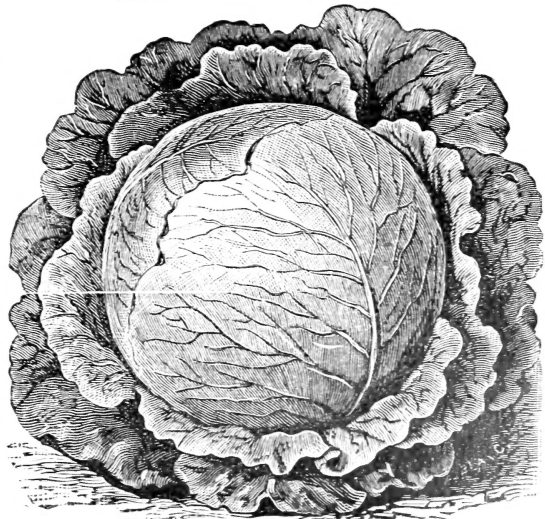
TRUE JERSEY WAKEFIELD. This is an admirable sort, and is very good for the family and market garden. The heads begin to mature the latter end of June to the first of July, and may be cut in succession for several weeks. Our seed is true Long Island grown. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

EXTRA EARLY EXPRESS. One of the earliest cabbages producing well formed conical heads, remarkably large for so early a ripener. Whoever plants it will be amazed in its early maturity, and if he be a market gardener, will be able to place it in market ahead of all competitors. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

EARLY YORK. This is one of the earliest varieties—deficient, however, in size, and without ability to stand the heat of the summer. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

EARLY SUMMER. This variety is about five days later than the Wakefield, but being fully double the size it may be classed as the best Large Early Cabbage; in weight it is equal to most of the late varieties, and its short outer leaves enable it to be planted nearly as close as the Wakefield—about 12,000 to the acre. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

ALL-HEAD EARLY. It is among the earliest of the large cabbages. It is fully one-third larger than Early Summer. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.



Cabbage—Danish Ball Head.

THE DANISH BALL HEAD OR HOLLANDER CABBAGE. This variety, known as Ball Head, has been selected and brought to perfection for more than fifty years by Danish gardeners, who grow it almost exclusively for winter use. Bears shipping well, and keeps far into the spring. Heads round as a ball, extremely solid and fine-grained, excellent cooking qualities. Our largest cabbage growers have had best returns from the Hollander. Takes full season to make matured heads. Order the **Genuine Hollander** of us, and don't be fooled into buying so-called Hollander at low prices. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

ALL SEASONS. A new Drumhead Cabbage as early and in every way as good as Early Summer, but yielding heads of from a third to a half as large again. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

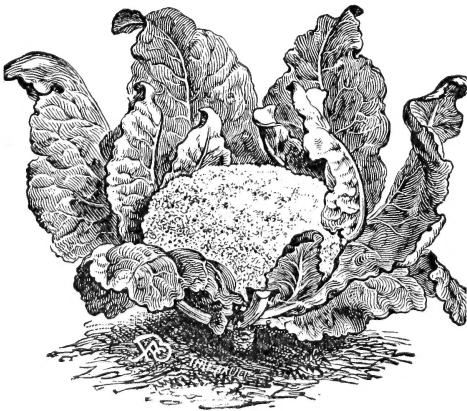
PREMIUM LATE FLAT DUTCH. As a variety for winter market it has no superior, and is more extensively grown than any other. Heads large, bluish-green, round, solid, broad and flat on top, and often tinted with reddish brown after being touched with frost; they open white and crisp, are tender and well flavored. It is a fall and winter variety, and one of the very best to keep. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

SURE HEAD. Produces large, round, flattened heads, of the Flat Dutch type, and is remarkable for its certainty to head. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

LATE LARGE DRUMHEAD. This is also a very large fall and winter variety. It is similar in most respects to the Premium Flat Dutch, but the heads are more rounded on top. It is also generally longer in stem. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

MAMMOTH ROCK RED. The best of the red cabbages. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

CAULIFLOWER



CULTURE. This is the same as for cabbage, but should be more thorough, and the soil made richer. They delight in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. For early Cauliflower the seed should be sown in a hotbed, in January or February, and transplanted in another bed as soon as they are big enough to be handled. As soon as it is safe to plant them outside, which is generally between the middle of March to the middle of April, they should be set in rows, two feet apart, and fifteen inches in the row. If they are hardened before setting in the field, and the growth is not checked, they will head well. When heading tie the outside leaves loosely over the head to protect it from the sun. Late crop

can be sown as late as May 20th and treated the same as cabbages. One ounce produces 1,500 to 2,000 plants.

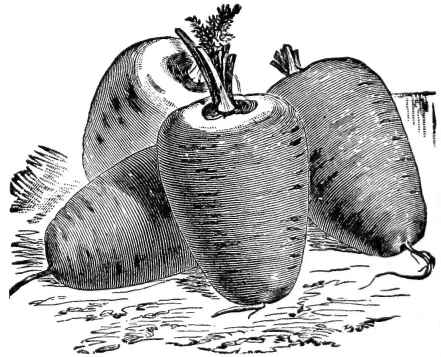
EARLY DANISH SNOWBALL. This variety, by innumerable trials, has established the claims made for it. The plants are very dwarf. The outer leaves are erect. The inner ones lap over the head so as to completely shade from the sun. We think it equal to the Henderson Snowball in every respect, and consider it a valuable market variety for early and late. Pkt. 15c, $\frac{1}{4}$ oz. 75c, oz. \$2.50, $\frac{1}{4}$ lb. \$8.00.

EARLY PARIS. A most excellent French variety, and the popular early sort in the Paris market. Heads large, white, compact and solid, of excellent flavor, tender and delicious. Leaves large, stalk short. Being so early, it must always be a favorite. Pkt. 5c, $\frac{1}{4}$ oz. 25c, oz. 80c, $\frac{1}{4}$ lb. \$2.25.

VEITCH'S AUTUMN GIANT. A distinct and valuable late variety. The heads are very large, beautifully white, firm and compact, and being well protected by foliage, remain for a long time fit for use. The plants should be started and transplanted early in the season, to insure their full development. Pkt. 5c, $\frac{1}{4}$ oz. 25c, oz. 80c, $\frac{1}{4}$ lb. \$2.25.

CARROTS

CULTURE. The carrot, like other root crops, delights in a sandy loam, deeply tilled. For early crops, sow in spring, as soon as the ground is in good working order; for late crops they may be sown any time until the middle of June. Sow in rows, about fifteen inches apart, thinning out to three inches between plants. One ounce to 150 feet of drill; three lbs. to an acre.



Carrot—Ox Heart.

OX-HEART OR GUERANDE. This new French carrot is one of the most valuable of all recent introductions, either for family use or market. It is an intermediate between the Half Long and Horn varieties, attaining a diameter of three or four inches at the neck, and of most beautiful shape and rich orange color. It is of extra fine quality and very productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

EARLY SCARLET HORN. A very early variety. Recommended for the market and family garden. Texture fine, very delicate in flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

CHANTENAY. One of the most perfect and uniform in shape, smooth, heavy yielding, and of fine table qualities. It grows five or six inches long; is fine in texture and easily dug; the flesh is of a beautiful deep orange, tender and of excellent flavor. One of the very best for table and market use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.



Carrot—Danvers.

DANVERS HALF LONG. A decided acquisition of the Half Long type, admirable in color, fixed in habit, a wonderful producer, the best of all for the stock-breeder, and valuable to the market gardener. With this variety the planter secures the largest return to the acre with the least difficulty of harvesting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

LONG ORANGE. The old stand-by, both for table use and for stock-feeding, for late summer and winter. Fed to milch cows it increases the flow of rich milk, and imparts to the butter in winter a fresh flavor and golden color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

LARGE WHITE BELGIAN. Grows one-third out of the ground. Root pure white, green above ground, with small top. It will grow to a very large size on light, rich soil, and is very easily gathered. Flesh rather coarse. Is raised exclusively for stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

CELERY

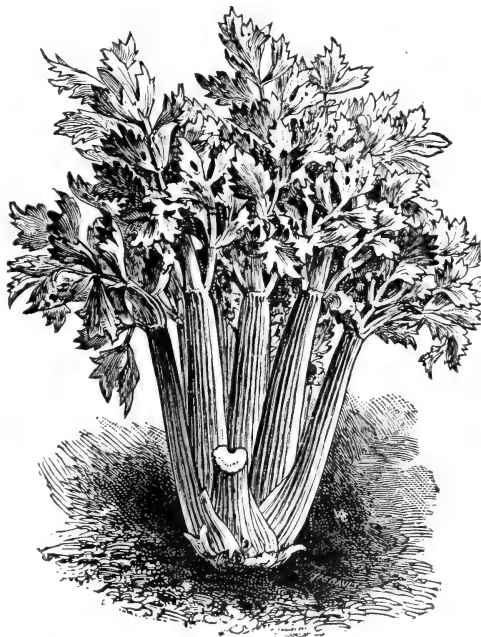
CULTURE. For early celery, seed should be sowed in February, in a bed not too hot, as seeds do not germinate well if too warm, in drills six inches apart, and covered about a quarter of an inch deep. When about three inches high they should be thinned out, in the row, or transplanted in another bed and set out in the field, in beginning of May. For late celery, seed should be sowed in a bed in April or beginning of May, and transplanted in the field in July. The ground should be rich and well worked, and the plants set in rows two or four feet apart, and six or eight inches in the row. As the plants need to be earthed up three or four times during the growing season, it is a good plan to set the plants in trenches a foot deep and draw the earth against the plants as they grow. The early varieties, such as Self Blanching and White Plume, need very little banking to bleach, but late varieties must be put into trenches one foot wide and of a depth a few inches less than the height of the celery. As soon as frost sets in the celery is dug up and packed in these

trenches and covered gradually as cold weather comes on. The tops of the trenches must be sloping and trenches well drained, or they will rot. Six to eight weeks after celery has been trenched they have gotten that nutty flavor, which makes winter celery so much praised for, and are entirely bleached. In planting celery, be sure to press the soil firmly against the roots, and be careful not to let the earth get into the heart of the plants. Celery needs plenty of moisture to do well and, if allowed to suffer from want of water, will get soft. One ounce will produce 2,500 to 3,000 good plants, and it takes about 42,000 plants to plant one acre if the rows are two feet apart and celery set six inches in the row.

GOLDEN SELF-BLANCHING. The plant is of a beautiful appearance, of close habit, and compact growth and straight, vigorous stalks. The ribs are perfectly solid, crisp, brittle, and of delicate flavor, surpassed by no other variety, while it has the decided merit of being self-blanching to a very remarkable degree. Our stock of this variety is selected with special care in France. It is the strain for market gardeners, also for family garden. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 35c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

WHITE PLUME. This celery is valued because, naturally, the stalks and portions of the inner leaves and heart are white; by simply tying up the stalks and drawing up the soil with the hoe, the work of blanching is completed. It is ornamental, tender, crisp, and of good flavor and very early. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

BOSTON MARKET. The most popular sort in the market of Boston. It forms a cluster of heads, instead of a single one, and is remarkably tender and crisp. The best variety for light soils. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Celery Giant Pascal.

GIANT PASCAL. One of the best for fall and winter use. It is a selection from the Golden Self-Blanching, and adds to its general good qualities, stalks are very large, solid, crisp, and of a rich nutty flavor; it blanches very easily and quickly. The heart is golden yellow; very attractive. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

GOLDEN HEART. A very popular and distinct variety. In habit of growth it resembles the Half Dwarf, except that when blanched, the heart, which is large and full, is of a waxy golden yellow. It is entirely solid, of excellent flavor and keeps well during the winter. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

HALF DWARF. When blanched it is of a yellowish-white, making it very ornamental for the table; is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large growing sorts in weight of bunch grown under the same conditions. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

CELERIAC OR TURNIP-ROOTED. Grown exclusively for its roots, which are turnip-shaped, very smooth, tender, and marrow-like. The roots are cooked and sliced; used with vinegar they make an excellent salad. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

SWEET CORN

CULTURE.—Corn can be sowed in hills three feet apart each way, or in drills four to four and a half feet. If sowed in hills 8 to 10 pounds are required to plant an acre, and if sowed in drills, it takes 12 to 20 pounds. The soil must be rich and the seed not covered more than one inch, and not sowed before the ground is warm. Four to six kernels are dropped in a hill, and the young corn must be hoed often, drawing the soil to the stems and breaking off side shoots.

Prices of all varieties: Pkt. 5c, $\frac{1}{2}$ lb. 10c, lb. 15c, 2 lbs. 25c, 10 lbs. \$1.00.



WHITE COB CORY. Selected for white cob and white kernel from the original and earliest. For a strictly early for first market and home use, you can't be far wrong with White Cob Cory. We offer northern grown extra early matured seed.

CROSBY'S EARLY. Most excellent variety and remarkably early. Ears of large size, medium length, sweet, rich and delicate.

EARLY MINNESOTA. This is among the earliest of the sugar varieties, and is much esteemed, not only because it matures so early, but for its excellent qualities as well. Ears rather small, long and pointed.

PERRY'S HYBRID. A very fine early variety, fully as early as the Minnesota, and ears much larger, each containing twelve to fourteen rows of kernels, well filled to the end. The grains are very large and pure white, but the cob is reddish.

MAMMOTH WHITE CORY. The largest and best extra early sweet corn. The ears are twelve rowed and very much larger than the Cory, white-cobbed, and covered with very large, white grains of good quality. No other sweet corn will find ready sale in market which is supplied with this splendid variety, and the gar-

dener who wishes to get the cream of the trade should make his first planting of this best of extra early sorts.

STOWELL'S EVERGREEN. This variety is more largely planted than any other, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary, and remains for a long time in an edible condition. This variety, with one or two of the early varieties for a succession, is necessary to every garden.

COUNTRY GENTLEMAN. The ears are not only of good size, but are produced in great abundance, frequently bearing four good ears, while the average is three to a stalk. The cob is very small, giving great depth to the kernels, which are of pearly whiteness. But the great merit of the Country Gentleman corn is its delicious quality; it is, without doubt, the sweetest and most tender of all sweet corn, and at the same time with ears of good size.

BLACK MEXICAN. The sweetest and most desirable for family use. When dry the kernels are black. The corn is not equaled in tenderness and sweetness by any other sort.

Selected Field Corn Seed

Do not rely upon your neighbors to furnish your seed corn; buy seed raised somewhere else and increase the yield per acre. Ours is all selected seed and grown in the Northern States.

Prices—Liberal packet 5c, pound 10c, 3 pound package 25c, 10 pounds 50c.

SWADLEY FIELD CORN. Nearly as hardy as White Australian, and fully as early, and yields more matured corn. This cut is a fair representation of the true Swadley Field Corn which was originally brought to Jefferson county, Colorado, from the mountain farms of Virginia, twenty years ago, by Mr. Geo. C. Swadley. He has cultivated it ever since, and has supplied us for several seasons, though never having enough to fill all orders. We are firmly convinced that it is the corn for uplands and worn-out soils, where it produces 35 to 50 bushels of ears per acre. It stands drouth nearly as well as White Australian. It is much softer kernel, being a pale yellow dent. The ears will average eight inches long, twelve to sixteen rowed. One-third of the crop will yield two ears on a stalk, maturing in ninety to 100 days. Six pounds of seed will plant an acre, three feet eight inch check-rows. This is the corn for our short season districts. Give it a trial. You will be pleased.



Ask for lowest prices on large quantities.

AUSTRALIAN WHITE FLINT. The earliest and surest variety we have for Colorado and the arid lands of the West. It will actually endure more drouth and cold than any other variety known. Grows to a height of six to ten feet, ears varying from eight to twelve inches long, usually eight or ten rowed, one and two ears on a stalk.

COLORADO YELLOW DENT. An early Dent variety, ripening with the Flint varieties, and can be grown in almost any locality. Stalks large with broad leaves, ears eight to ten inches, sixteen rowed, grain yellow, making a good quality of meal.

PRIDE OF THE NORTH. (90 days). This variety has smaller ears than the late kind, but is valuable to grow, as it matures earlier. Planted as late as July 4, it has fully matured by October 1. The ears have from fourteen to sixteen rows, grown eight to ten inches in length, slightly tapering. The kernels are closely set together on the cob, of a light orange color. The stalks usually grow six to eight feet in height, producing one or two good ears. Our seed of this variety has been grown for us with special care, from the original stock.

IMPROVED LEAMING. (90 days). This is one of the earliest large yellow Dent corns in cultivation, ripening in 90 to 100 days from planting. It is extra early, and not a hard, flinty corn. The ears are large and handsome, with deep, large grains; orange yellow color and red cob, tapering gradually. Stalks medium size, producing two good ears each; husks and shells very easily.

IOWA SILVER MINE CORN. (90 days). The stalk grows to a height of seven or eight feet and set the ears about three and a half to four feet from the ground. The ears measure from ten to twelve inches in length, and often weigh one and a half pounds. They are very uniform in size and shape, with sixteen to twenty straight rows of deep, pure white kernels on a small white cob. It matures in about ninety

days, being about one week earlier than Champion White Pearl. It is the heaviest yielder we know, having yielded over 200 bushels to the acre. Seventy pounds of ears will make sixty-two pounds of corn. It is entirely distinct and will give satisfaction.

GOLDEN BEAUTY. (110 days). The ears are of perfect shape, with from ten to fourteen straight rows of bright golden yellow grains, remarkable in size, and filled out completely to the extreme end of the cob. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The grains are not of a hard, flinty nature, neither are they so soft as to be greatly shriveled. The ears are easily shelled, although the kernels are firm on the ear, and in every respect present as perfect a type as could be possible to have. Golden Beauty matures early, ripening in 100 to 110 days from planting, and surpasses all in size and beauty of grain.

POP CORN

WHITE PEARL. Our common market variety. Pkt. 5c, lb. 10c, 3 lbs. for 25c.

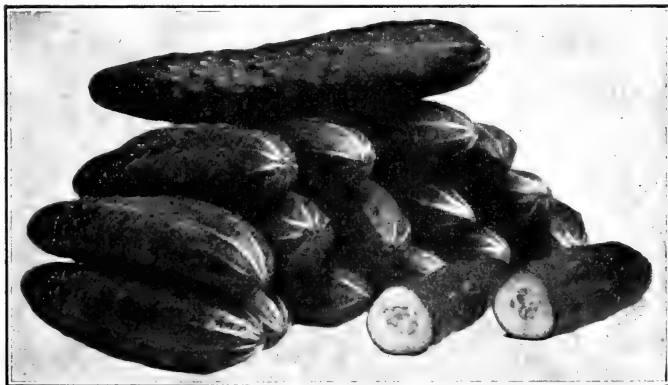
WHITE RICE. A very handsome variety; kernels long, pointed and resembling rice; color white; very prolific. Pkt. 5c, lb. 10c, 3 lbs. for 25c.

QUEEN'S GOLDEN. The stalks grow six feet high, and the large ears are produced in abundance. It pops perfectly white, and a single kernel will expand to a diameter of one inch. Pkt. 5c, lb. 10c, 3 lbs. for 25c.

CRESS OR PEPPERGRASS

CULTURE. Plant on rich soil, finely pulverized, in drills six or eight inches apart. To be used as salad before the flowers appear.

GARDEN CRESS, CURLED. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 50c.



Improved Long Green.

CUCUMBERS

CULTURE. For early, sow seed in hotbed in small pots and they can be readily transplanted with a gain of six or seven weeks, before they can be sown in the open ground, and plant out when danger of frost is over. For general crops drop in hills four to six feet apart, as soon as the weather is warm, ten to twelve seeds in a hill, cover half an inch deep and pat it down with the hoe. Hoe often, and when out of danger of insects, thin out to three or four plants to a hill. Middle of June to July 15th is the right time to sow for pickles. One ounce will plant about 50 hills. Two pounds to one acre.

IMPROVED LONG GREEN. Unquestionably

this is the most popular general purpose cucumber in the West. When matured is nine to twelve inches long, very solid and crisp, retains its dark green color until nearly ripe. One of the best for small pickles if picked promptly. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

EARLY WHITE SPINE. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. In this country this variety is used more, perhaps, than any other for forcing under glass. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

EARLY RUSSIAN. One of the earliest in cultivation; resembles the Early Frame, but is smaller and shorter, being only four inches long. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

EARLY CLUSTER. A very popular cucumber, producing its fruit in clusters near the root of the plant. Its usual length is about five inches; skin prickly; flesh white seedy, tender and well flavored. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EARLY FRAME. Productive of growth; vigorous, early, fruit medium size and straight. Popular for both table use and pickling. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SHORT PROLIFIC PICKLING. A very short variety of the "Frame" type, abundant bearer, highly recommended for pickles, for which it is used extensively in New York state. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

BOSTON PICKLING. A distinct variety which has obtained a great degree of popularity in Boston market as a pickle. Medium long, a great producer. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

CHICAGO or WESTERFIELD PICKLING. Very popular with Chicago market gardeners and exclusively grown in that vicinity. Fruit medium length, pointed at end, with very large and prominent spines; color deep green. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EGG PLANT

CULTURE—Sow in hotbed, very early in spring, and transplant when two inches high in a second bed four inches each way, or in small pots. Do not plant out until nights are getting warm, as cool weather will check them. Set the plants two and a half feet apart and do not water too much, as they do best in a dry, loose soil. If plants fail to set to fruit, pinch off the ends, leaving only four or five flowers to a plant. They stand drouth better than ordinary vegetables. One ounce produces 1,500 plants.

NEW YORK IMPROVED LARGE PURPLE. This variety has about superseded all others, both for market and home gardens. It is practically spineless, which is a great advantage in handling. Our stock is the true large purple, direct from the best grower in New Jersey. Pkt. 5c, $\frac{1}{4}$ oz. 15c, oz. 40c, $\frac{1}{4}$ lb. \$1.35.

ENDIVE

For early use sow as soon as the ground can be worked in the spring, in drills fifteen inches apart, and thin plants to six or eight inches in the row. To blanch the leaves, gather them carefully together when perfectly dry and tie with matting or any soft fibrous material.

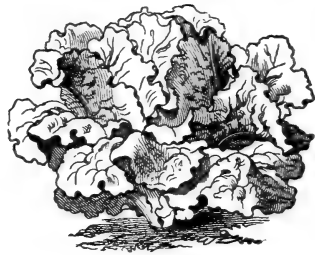
GREEN CURLED WINTER. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

BORECOLE OR KALE

DWARF GREEN GERMAN. Sow in autumn for "sprouts" or "greens." Hardy, prolific, flavor similar to cabbage. Desirable in every garden. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

LETTUCE

CULTURE. Lettuce is grown under glass, during the winter months, and brings a fair profit. For general crops sow as soon as the ground is open, in drills fifteen to eighteen inches apart, and thin out to four or six inches in the rows. As they do best when growing quickly, the soil should be rich and well worked. The seed may be sown every two weeks. If wanted as a cut salad, sow thickly in rows, or broadcast, and cut when needed.



Lettuce—Black Seeded Simpson.

Curled or Loose Leaved Varieties

BLACK SEEDED SIMPSON. The leaves of this variety are very large and form a compact mass rather than a distinct head. They have the quality of not wilting quickly, and being of a light green color, the variety is much liked by market gardeners for forcing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

EARLY CURLED SIMPSON. One of the best early sorts for market or family use. All the leaves tend to produce a large, loose head. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

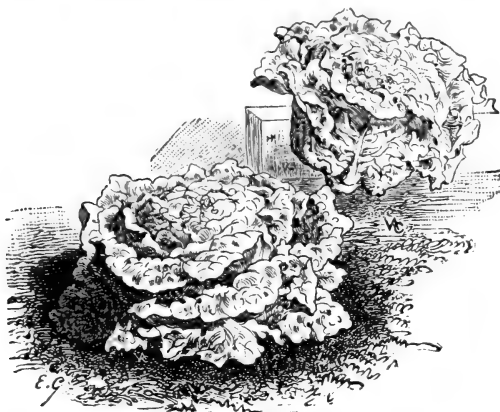
GRAND RAPIDS. As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being fit to cut. The plant is upright, and forms a loose head or cluster of large, yellowish green leaves, slightly crimped and blistered and rather thin. It will stand shipping long distances better than most sorts. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

Heading Varieties



BARTELDES' DENVER MARKET. It is an early variety of Head Lettuce either for forcing or open ground. It forms large, solid heads of a good, light green color, and is very slow to seed. The leaves are beautifully marked and blistered, and very crisp and tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of lettuce now grown. This stock is grown expressly for gardeners' use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb 30c, lb. \$1.00.

EARLY PRIZE HEAD. It forms a mammoth head and remains tender and crisp throughout the season, is prompt to head, but slow to seed, of superior flavor and very hard. The leaves are very large, crimped, bright green tinged with brownish red on edge. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.



Lettuce—Big Boston.

BIG BOSTON. This new variety resembles the well known Boston Market Lettuce, but produces heads almost double the size, and matures a week later. Endures hot weather exceedingly well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EARLY CABBAGE, or DUTCH BUTTER HEAD. Produces fine, greenish white large heads of extra quality, remarkably tender and crisp, sure to head; of quick growth. It is one of the best for forcing, and also for summer use, as it is slow to shoot to seed and resists heat well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

CALIFORNIA CREAM BUTTER. Heads large, round and of a beautiful appearance. The outer leaves are medium green, marked with small brown spots; inner leaves of a rich cream color. Medium early, and makes a good sort for summer use. Quality very good, rich, buttery flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

HANSON. The heads are of very large size, deliciously sweet, tender and crisp, even to the outer leaves; heads weigh two and a half to three pounds, and measures about one and a half feet in diameter. Color green outside and white within; free from any bitter, unpleasant taste. Not recommended for forcing, but has few superiors for family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

PARIS WHITE COS LETTUCE. The Cos lettuces are distinct from the preceding sorts, in having long, narrow, spoon-shaped leaves, which usually fold into loose, sugar-loaf shaped heads, which blanch better by having the outer leaves drawn about them and tied. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LEEK

A hardy species of onion, sown in drills or broadcast. When six inches high transplant into rows a foot apart, setting the plants four or five inches deep and about six inches apart in the row. Used mostly in soups and stews. One ounce to 1,000 plants.

LARGE LONDON FLAG. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

MELON—Musk

CULTURE.—Musk Melons do best in a warm, sandy soil. In clayey or heavy soils the quality will be poor. Previous to planting incorporate well, with the soil in the hill, a shovelful of thoroughly rotten manure and drop from ten to fifteen seeds in a hill, covering about one-half inch deep. The hills must be four to six feet apart each way, and, when the plants commence to run, thin out to three plants to a hill. As soon as the flowers commence to appear, pinch off the ends of the vines to induce early fruiting. Ashes and air-slacked lime are very good to sift over the young plants when the dew is on, to prevent attacks of insects. Do not sow the seeds till the ground is warm and danger of frost is over. For early use a few plants may be started in pots, in a hotbed, and planted out when nights are getting warm. One ounce plants about 60 hills. Two to three pounds to an acre.



Musk Melons.

Nutmeg. Hackensack. Ex. Ey. Citron.

NETTED NUTMEG. We consider this the best variety in cultivation for family use. Vines vigorous, hardy, productive; fruit round, slightly flattened at both ends, ribbed, covered with coarse netting; flesh very thick, green and of the highest flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

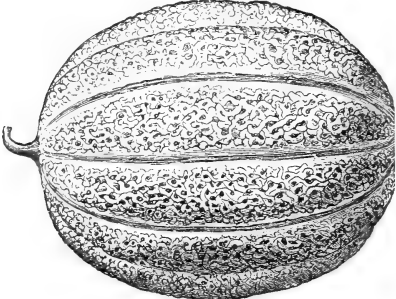
THE HACKENSACK. The most popular variety of musk melon grown for market by gardeners in the vicinity of New York. It attains a large size, is round in shape, flattened at the ends; it is of most delicate flavor, and wonderfully productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EXTRA EARLY CITRON. A decided acquisition among cantaloupes. Earlier than any other; large, showy, and of fine flavor. A variety which for its early maturity will be found profitable by all market gardeners, and desirable also in the private garden till others come into condition. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EXTRA EARLY HACKENSACK. By careful selection and improvement carried on for several years, this strain has been so developed that it produces melons with all the good qualities of the well-known Hackensack Melon, but at least ten days earlier. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

NETTED GEM. This has become one of the most popular of small or basket melons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet and highly flavored. We offer an exceptionally fine stock of this sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

OSAGE. The great popularity which this melon has attained is due mainly to its peculiar, luscious, spicy flavor, and its perfect shipping qualities. The skin is very thin, of a dark green color, and slightly netted. The flesh is of a salmon color, remarkably sweet, extremely thick and delicious to the rind. It is also very productive. It is a remarkable keeper, and will stand shipping equal to any melon we ever saw. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

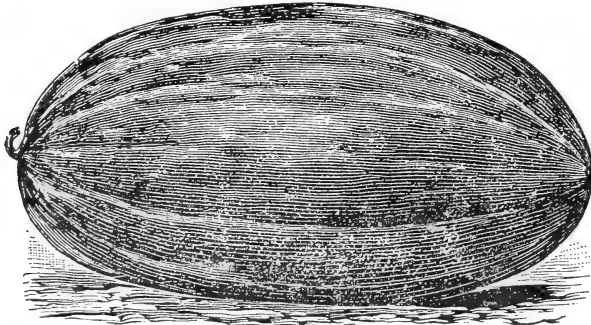


**Musk Melon.
Rocky Ford Cantaloupe.**

THE ROCKY FORD MUSK MELON is a new and most valuable introduction, and has attained in an incredible short time a national reputation. It is of the Netted Gem type, oval in shape, averaging from four and one-half to five inches in length, of a delicious flavor, very fine and smooth grained flesh of a light green color throughout when ripe. Deriving its name from the district in which it has been for the past several years so extensively grown, Rocky Ford, Colorado, and from which point these melons are shipped in their season by the car load to nearly every station in the United States, till the name Rocky Ford has become a synonym for excellence in cantaloupes. The seed we offer is our own growing at Rocky Ford, Colorado, and can be relied on for both purity and vitality. The accompanying cut, made from a photograph of melons grown by us, will show the true type of the genuine Rocky Ford Cantaloupe. Be sure and include it in your order. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c.

MELON—Water

CULTURE. The same as Musk Melon, except that they should be planted 8 to 10 feet apart.



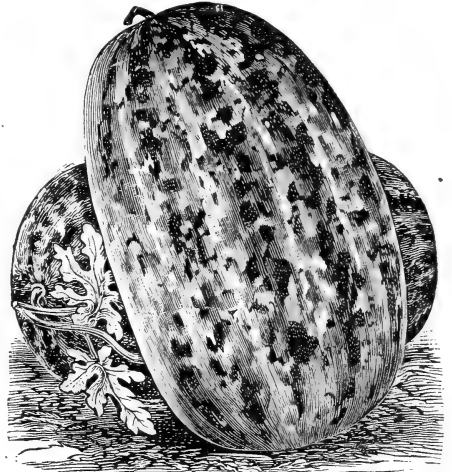
**Water Melon—Rocky Ford.
Rocky Ford Watermelon**

This melon is considered one of the best for this climate. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. Seeds white, lying close to the rind, leaving a large, solid heart which does not crack open when ripe. The scarlet flesh is sweet and sugary, and of such texture that it

leaves no strings of pulp whatever in eating. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

ICE CREAM or PEERLESS. One of the best of watermelons; solid, always of good flavor, rind very thin. Unequaled in good qualities. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PHINNEY'S EARLY. A very early variety; medium and uniform size, and of beautiful form. One of the best melons we know of. The skin is smooth, with uniform, narrow, white mottled and dark green stripes. Flesh light red or pink, very sweet and delicious. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



Water Melon—Gypsy.

GYPSY or RATTLESNAKE. The largest of all the varieties of watermelons, long, smooth, distinctly striped with light mottled and wavy, dark green, regular stripes. Flesh bright scarlet and very sugary. Thin-skinned, but bears carriage well, which, together with its large size will make it an exceedingly popular late market variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

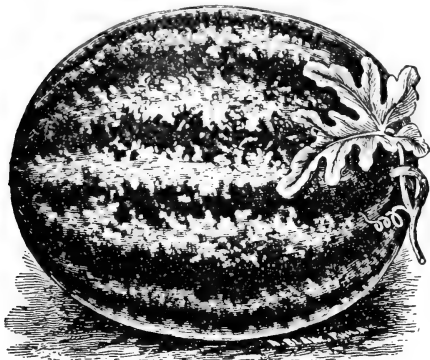
SWEET-HEART. A new melon of excellent quality, and one that is sure to become a popular and standard variety. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled, light and dark green. Rind thin, but firm. Flesh bright red, firm, solid, very tender, melting and sweet. Fruit remains in condition for use longer than any other sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

DIXIE. This new and desirable variety of Southern origin, is a cross between the Kolb's Gem and Mountain Sweet, having the tough rind and long keeping qualities of the former combined with the great productiveness, high flavor and freedom from stringiness of the latter. Color of the skin dark green, striped with a lighter shade, making it very attractive; rind thin but tough; flesh bright scarlet; ripens closely to the rind. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

MOUNTAIN SWEET. An old standard variety; size large, flavor good, rind thin, dark in color; best for garden culture. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

BLACK DIAMOND. A cross between Kolb's Gem and Hoosier King. No melon produces anything like its large, uniform fruit, nor approaches it in productiveness. Melons weighing from 75 to 90 pounds are frequent. It is the most prolific watermelon ever planted. Its color is a rich, dark green, almost black. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

KLECKLEY'S SWEET. Large, oblong melon, twenty inches in diameter, somewhat tapering at the ends. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. Seeds white, lying close to the rind, leaving a large, solid heart which does not crack open when ripe. The scarlet flesh is sweet and sugary, and is of such texture that it leaves no strings of pulp whatever in eating. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.



Kolb's Gem.

KOLB'S GEM. Vines of medium size but remarkably vigorous and healthy. Fruit of the largest size, round of slightly oval, marked with irregular mottled stripes of dark and very light green in sharp contrast, which gives it a bright and attractive appearance. Flesh bright red, extending to within half an inch of the rind; always solid, very firm, a little coarse, but sweet and tender. An excellent keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CUBAN QUEEN. A large and solid variety, rind very thin and strong; ripens to the very center; skin striped with dark and light green. Vines strong, healthy and of vigorous growth; very heavy cropper, flesh bright red, tender and melting, luscious, crisp, and very sugary. It is an excellent keeper, and bears transit well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

KANSAS STOCK, or COLORADO PRESERVING MELON. This melon is grown extensively in Oklahoma, Western Kansas and Eastern Colorado. It is immensely productive. The melons grow to a large size, some of them weighing as high as sixty or seventy pounds. The flesh is firm and solid, with only very few seeds. The melons will keep all winter, and can be fed to stock same as turnips and beets. They grow on any kind of soil and in dry seasons and climates. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

MUSTARD

Mustard is not only used as a condiment, but the green leaves are used as a salad, or cut and boiled like spinach.

WHITE ENGLISH. Best for salads and medicinal purposes. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

GIANT CURLED or CHINESE. Highly esteemed for salads, particularly in the South. The leaves are twice the size of the ordinary white mustard; flavor sweet and pungent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

MUSHROOM SPAWN

CULTURE—Mushrooms may be grown in any place, where the proper temperature, which is from 50° to 60° F., can be maintained, and when it is moist enough without being very damp or constantly dripping with water. If the temperature is below 50° or above 63° it is not safe to try to raise them. Cellars, caves, abandoned mines, or even some kind of a shed may be used to grow mushrooms. The beds should be constructed of stable manure, which has been fermented. Obtain fresh manure with some of the litter, which has been well tramped, and pile in heaps about three feet deep when well pressed down with the fork, and wet it thoroughly. In five or six days it should be turned over, mixing the cold and hot manure. In a week a second turning will be necessary, and, if dry, water again. If well pressed down and merely moist there will be no danger of a sour fermentation, and the compost will be ready for use in two or three weeks, according to the weather. As soon as the manure is neither wet nor dry, which can be ascertained by squeezing some manure, and if water cannot be squeezed out readily it is in the right condition to be mixed up with one-fourth of good loam. Make your beds about four feet wide, eighteen or twenty inches deep and any length desired. Press down the manure with a fork and let the beds stand for about a week before spawning, as they are too hot. Then cut a brick into 12 pieces, insert them, from one to two inches deep and from 8 to 10 inches apart each way. Do not sprinkle any unless very dry, or too much moisture will retard germination. In two weeks, examine the beds, and if the spawn is running (which can be known by white, thread-like fibres seen in the manure), it is ready to be cased. Casing consists in applying a layer of loam, neither clayey nor too sandy, from 1 to 1½ inches deep to the surface of the bed. This loam should be carefully worked and screened. Mushrooms should appear from five to ten weeks after spawning, and a good bed will bear from three to four months. In picking the mushrooms twist it from the soil and fill the hole left with fresh soil. Sprinkle only when real dry, and after the mushrooms have been gathered. Use lukewarm water for best result. The main causes of failure are (1) **Spawning at a too high temperature.** (2) **The use of too much water,** and (3) **unfavorable temperature during the growing period.**

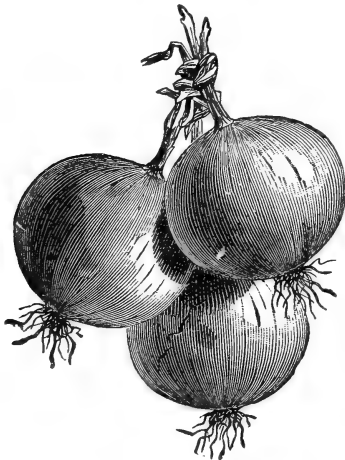


PURE CULTURE SPAWN. Single brick, 35c; 5 bricks \$1.25.

Commercial fertilizers are the best manure to use in a garden as they do not originate maggots, the greatest enemy in an onion patch.

ONIONS

CULTURE—The onion thrives best in a rather deep, rich, loamy soil and, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The ground should be deeply trenched and manured the previous autumn, and laid up in ridges during the winter to soften. As early in the spring as the ground is in working order commence operations by leveling the ground with a rake, and tread it firmly; sow thinly in rows, four pounds to the acre, and a quarter of an inch deep and one foot apart; cover with fine soil and press down with the back of a spade or light roller. When the young plants are strong enough, thin gradually, so that they stand three or four inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply or collect it about the growing bulb. When ripe, pull and dry thoroughly before storing. One ounce to 10 feet of drill; four to five pounds to an acre.



Onion—Colorado Grown Yellow Globe Danvers.

COLORADO GROWN YELLOW DANVERS. Grown from selected bulbs expressly for us in Larimer county. Is acclimated and gives best results. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

YELLOW GLOBE DANVERS. A very excellent variety of globular shape; flesh white and mild flavor, skin brownish yellow. Is very productive and a good keeper. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.50.

YELLOW FLAT DANVERS. Same as above, except in shape. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

OREGON YELLOW DANVERS. It is a cross between the flat and the globe, one of the best keepers for our western climate. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

BROWN AUSTRALIAN. Is of medium size, wonderfully hard and solid, and most attractive for market, both as to form and appearance. They are extremely early in ripening, and never make any stiff necks or scullions. Every seed seems to produce a good-sized onion, and the bulb begins to form very quickly—when the plant is not over three inches high. Planted with Red Wethersfield, it proved to be nearly four weeks earlier and ripened more uniformly. It has the reputation of keeping indefinitely, and we think from its firmness and hardness that it will keep in good condition longer than any other onion known. The color of the skin is a clear amber brown; so widely contrasted from any other onion is this color that it will be noticed on the market, and when once bought, purchasers will be likely to return and call again for those "beautiful brown onions." Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.



Onion—Mammoth Silver King.

MAMMOTH SILVER KING. We have imported seed of this truly mammoth variety direct from the originator in Italy. It is of attractive shape, with silvery white skin, and flesh of a most agreeable mild flavor. It reaches a larger size than any of the flat white varieties, frequently measuring twenty inches in circumference and weighing three to four pounds. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

EXTRA EARLY RED FLAT. This variety ripens about ten days earlier than the large Wethersfield and is rather smaller in size, but close grained and heavy. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$2.75.

SOUTHPORT RED GLOBE. A large, globe-shaped onion, with small neck, rich red color, a splendid keeper and of extra fine quality. It matures a few days later than the Red Wethersfield. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$2.75.

LARGE RED WETHERSFIELD. The old standard sort; best for main crop. Large, deep red, thick, nearly round, fine grained, pleasant flavored and productive. It ripens in September and keeps well. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$2.75.

RED BERMUDA ONIONS. (Imported Seed.) The bulbs of this variety are similar in form and early ripening to the White Bermuda; very flat, lightly suffused with pink. Teneriffe grown seed. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$2.75.

WHITE BERMUDA ONIONS. (Imported Seed.) This valuable onion is a sport from the Red Bermuda and sometimes "off color" onions are found. It is especially adapted for the Southern State. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$2.75.

SILVER SKIN. Sometimes known as the White Portugal. A mild, pleasant flavored variety, admirable for family use; not so good a keeper as the dark-skinned varieties. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$3.25.

EXTRA EARLY BARLETTA. It is fully two to three weeks earlier than the Early White Queen, which heretofore has been the earliest variety in cultivation. They are of a pure paper white color, very mild and delicate in flavor, from one inch to one and a half inch in diameter, and three-fourths of an inch in thickness. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

EARLY WHITE QUEEN. Succeeds well everywhere. The bulbs are small, flat, beautifully white, and of excellent flavor, but the principal recommendation is the marvelous rapidity of its growth. Sown in February it will produce onions one or two inches in diameter early in summer. Sown in July they will be ready to pull late in the autumn, will keep sound for one year, retaining to the last their most exquisite flavor. Pkt. 5c, oz. 20, $\frac{1}{4}$ lb. 65, lb. \$2.00.

PRIZETAKER. This new and handsome variety is a splendid type of the celebrated Spanish fancy onions which are annually imported into the United States from Spain and sold by confectioners and fruiterers in our large cities at from twenty-five to fifty cents each, and even higher. The onions grown here quite rival the imported ones in great beauty and enormous size, weighing in many cases from three to three and three-fourths pounds each. The outside skin is of a rich yellow color, while the flesh is white, sweet and mild. Pkt. 5c. oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.50.



ONION SETS

Prices given are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel, except the Top or Button Sets, which are 28 pounds for a bushel.

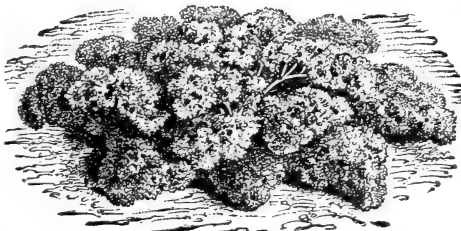
RED BOTTOM. Qt. 20c, $\frac{1}{4}$ bu. 85c. bu. \$3.00.

YELLOW BOTTOM. Qt. 20c, $\frac{1}{4}$ bu. 85c, bu. \$3.00.

WHITE BOTTOM. Qt. 25c, $\frac{1}{4}$ bu. \$1.00, bu. \$3.50.

TOP or BUTTON. Qt. 25c, $\frac{1}{4}$ bu. \$1.00, bu. \$3.50.

PARSLEY



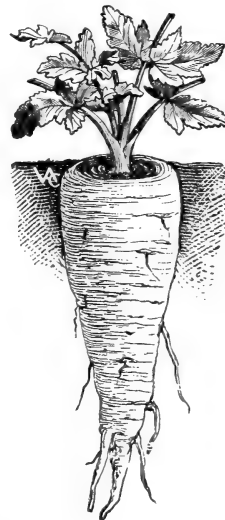
Parsley—Champion Moss.

CULTURE—Parsley succeeds best in a rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapse sometimes before it makes its appearance. It should be sown early in the spring, previously soaking the seeds for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. One ounce to 150 feet of drill.

CHAMPION MOSS or TRIPLE CURLED. The leaves are finely cut and curled and of a dark green color. Extra fine for garnishing and culinary purposes. Pkt. 5c. oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

PARSNIPS

CULTURE. They do the best in deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. As the seed is sometimes slow to germinate, it should be sown as early as possible; cover one-half inch deep and press soil firmly over the seed; give frequent cultivation, thin the plants 3 or 4 to the foot. One ounce will sow 150 feet of drill, 5 lbs. to 1 acre.



Parsnip—Guernsey Half Long.

GUERNSEY. Roots comparatively short, ending somewhat abruptly with a small tap root; grows with a cavity on the top or crown of the root. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

SUGAR or HOLLOW CROWNED. The best for table use; a vegetable of merit easily raised, and of great productiveness. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

PEAS

CULTURE. Sow the early smooth kinds of peas as early as the ground can be worked, dropping them from two to four inches deep, in drills one and a half to two and a half feet apart, and one or two inches in the row.

PEAS—Continued

The **wrinkled varieties** must not be planted so soon as they are liable to rot in the ground. Hoe often and keep the ground clean and fine. For succession of crops sow every two weeks up to July 1st. A light warm soil is best adapted for very early peas, and heavier soils for late sorts. Some years holes are found in pea seeds, and are caused by the pea weevil, but these holes will not prevent the peas from sprouting as the germ is not killed by the insect. One pound sows 50 feet drill, ninety to 120 pounds to an acre.

Prices for all peas except where priced otherwise. Pkt. 5c, $\frac{1}{2}$ lb. 10c, lb. 15c, 2 lbs. 25c.

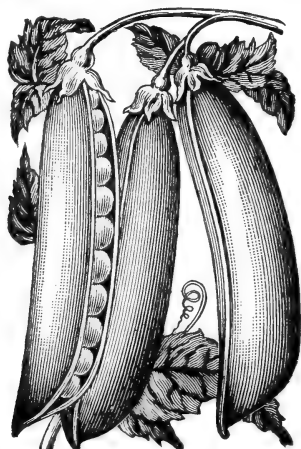
Early Varieties

ALASKA. A variety of remarkable earliness and hardiness. It is a good yielder and produces pods of good size and dark green color, which are well filled with round, smooth peas of splendid flavor. Height two feet. The color of the dried pea is green. It ripens evenly; one picking will nearly clean off the crop. Advise market gardeners to give this variety a trial. 10 lbs. \$1.00.

FIRST AND BEST. This is a reliable early cropper of the hardy smooth seed variety. Not quite as early as Alaska but great improvement over its parent, old Philadelphia Extra Early. 10 lbs. \$1.00.

TOM THUMB. This variety was introduced thirty years ago. Vine bushy, growing to a height of ten inches; foliage heavy; productive; matures in thirty-five days after sprouting. 10 lbs. \$1.25.

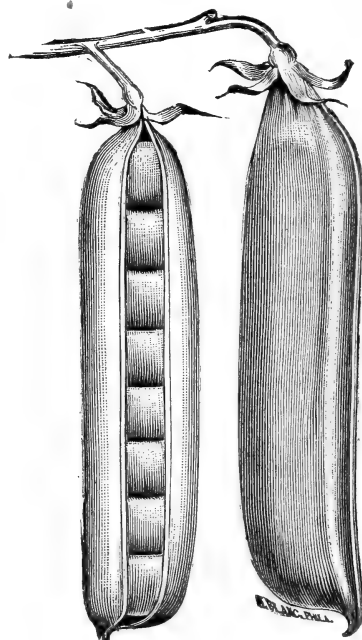
GRADUS or PROSPERITY. This remarkable Wrinkled Pea is not only large and of the best quality, but is nearly or quite as early as the small, round, extra early sorts. It is hardy and may be planted as soon as the ground is fit to work in spring, along with smooth Peas. The pods are of bright green color, and measures 4 inches or more in length, being as large as a Telephone and equally well filled with luscious peas—8 to 10 in a pod. Pkt. 5c, $\frac{1}{2}$ lb. 15c, lb. 25c, 2 lbs. 40c.

**Peas—Premium Gem.**

PREMIUM GEM. An improvement on the Little Gem, being larger and more productive. Early in maturing; very luscious in flavor. Highly recommended. Try it. 10 lbs. \$1.00.

AMERICAN WONDER. This pea is a hybrid of fixed habit, between the Champion of England and the Little Gem; it possesses the merits of both, with some additional claims to notice. The vine grows eight to ten inches high, and is very prolific in pods of striking form and size. In maturity it is among the earliest, ripening in about fifty days from germination. It is among the first early of the green wrinkled sorts. Its habit is so dwarf that it can be very successfully grown under glass. $\frac{1}{2}$ lb. 10c, lb. 20c, 10 lbs. \$1.50.

NOTT'S EXCELSIOR. Robust and vigorous in growth, inclined to throw out laterals from the base of the stock, producing in profusion long handsome pods, closely packed with large peas of fine flavor. An improvement on American Wonder, being more vigorous and prolific with larger pods with more peas than either the Wonder or Premium Gem. Height twelve inches. $\frac{1}{2}$ lb. 10c, lb. 20c, 10 lbs. \$1.50.

Second Early Varieties**Peas—Telephone.**

TELEPHONE. This new variety is one of the finest branching, tall, wrinkled marrows yet introduced. It is immensely productive, of the finest quality and excellent, sugary flavor; vine very strong, averaging eighteen to twenty pods per stalk; the pods are of large size and closely packed with six or eight large delicious peas; height four feet. Every private garden should contain some of these magnificent peas; they are a sight worth seeing when in growth, and are luscious in quality on the table. 10 lbs. \$1.25.

PEAS—Continued

EVERBEARING. The vines attain a height of from eighteen inches to five feet; foliage large. The pods will average 3 to 4 inches in length, each pod producing six to eight wrinkled peas. These peas are very large, being half an inch and over in diameter, and in quality unsurpassed. For a continuance of bearing this variety is unexcelled, if equaled. 10 lbs. \$1.15.

HORSFORD'S MARKET GARDEN. The vine of this variety is of medium height giving the greatest number of pods of any on our list. Pods contain five to seven medium sized sweet, dark green peas which retain their color and sweetness well after canning. Seed rather small and wrinkled. A very desirable variety for canners' use. 10 lbs. \$1.25.

STRATAGEM. Seeds green wrinkled. Middle crop; one of the best peas ever sent out; grows a vigorous and showy vine of branching habit; heavily laden with immense pods containing ten to twelve peas of large size; a marvelous cropper and incomparable eating pea; height one and a half feet. 10 lbs. \$1.25.

CHAMPION OF ENGLAND. A variety possessing merit of high order. Superior to the common marrowfat, which it resembles in strength of vine and general habit; wrinkled and very sugary; requires sticking; ripens for table use in seventy days after germination. 10 lbs. \$1.00.

YORKSHIRE HERO. This magnificent variety is fast becoming very popular. As a main crop pea it has few if any equals. Long, round pods, closely filled with large, luscious, wrinkled peas; of extra fine quality for table use, and very productive. 10 lbs. \$1.00.

WHITE MARROWFAT. A strong productive variety, requiring much space; not recommended for garden purposes, unless brushwood can be obtained; matures for table eighty days after germination. Plant on thin soil without manure. 1 lb. 10c, 10 lbs. 75c.

BLACK EYE MARROWFAT. Very similar to the White Marrowfat, except the black eye in the seed. Lb. 10c, 10 lbs. 75c.

FIELD PEAS

Field peas deserve more general cultivation. They are equal to corn in fattening hogs and are ready to feed several weeks earlier. Can be sown with advantage with oats or will do well alone. As a land fertilizer they are very beneficial. For such the crop should be plowed under when they begin to bloom. They will grow on most any land. We have the Golden vine which is a white seed, and the Green Canada, which is a green seed, also the San Luis Stock Pea. Lb. 10c, 10 lbs. 65c.

PEPPER

CULTURE. Pepper should be started in hotbeds and transplanted to the open ground when the weather is real warm. They should be planted in warm, mellow soil, in rows eighteen inches apart. One ounce produces about 1,500 plants.



Pepper—Sweet Spanish.

LARGE SWEET SPANISH. (Bell shaped.) A very large sort, of square form, mild, thick and hard; suitable for filling with cabbage, etc., and for a mixed pickle; less pungent than most other sorts; notwithstanding its size it is one of the earliest varieties. Pkt. 5c, oz. 25c, ¼ lb. 75c.

RUBY KING. Fruits are six to seven inches long by about four inches through, of a bright red color. They are remarkably mild and pleasant in flavor, and can be sliced and eaten with vinegar like tomatoes. The best for making mangoes. Pkt. 5c, oz. 25c, ¼ lb. 75c.

LONG RED CAYENNE. Fruit brilliant coral red, conical, from two to three inches in length, from three-fourths to one inch in diameter. Very pungent. Pkt. 5c, oz. 25c, ¼ lb. 75c.

RED CHILI. This is slightly larger in growth than the Red Cayenne, with larger fruits, three inches in length and an inch in diameter. Bright red, very hot and fiery. Ripens early. Makes the famous Mexican Chili. Pkt. 5c, oz. 25c, ¼ lb. 75c.

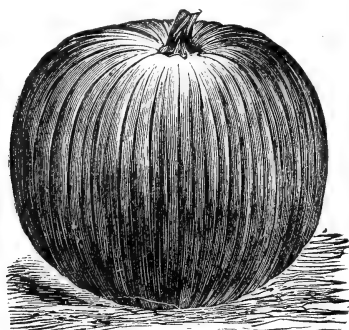
PUMPKIN

CULTURE. Sow in hills, 8 to 10 feet apart each way, as soon as the weather is settled, drop 6 to 8 seeds to a hill and cover from three-fourths to one inch deep, cultivate often and when danger of insects or bugs is over thin out to 3 plants to a hill. Can be planted in corn and potato fields. One ounce will plant 20 hills, four pounds to one acre.

For Peas in Large Quantities Ask for Special Prices

PUMPKIN—Continued

JAPANESE PIE. The flesh is very thick, nearly solid, the seed cavity being very small in one end of the pumpkin; usually fine grained, dry and sweet, having much the taste and appearance as sweet potatoes. They ripen early, keep well and produce largely. The seeds are peculiarly marked and sculptured in Japanese characters. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.



Sugar Pumpkin.

SMALL SUGAR or PIE PUMPKIN. A handsome, prolific variety; fruits of small size, averaging about ten inches in diameter, of excellent keeping qualities, flattened and slightly ribbed. Skin deep orange yellow, flesh fine grained and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

LARGE CHEESE. A popular variety in the South. Fruit flattened, the diameter being two or three times more than the length. Skin mottled light green and yellow, changing to rich cream color as it matures; flesh tender and of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

MAMMOTH TOURS. A French variety, which grows to an immense size, often weighing over 100 pounds. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

KENTUCKY FIELD. A large round variety, produced in great numbers. Has thick meat of fine quality. Very suitable for canners' use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

COMMON FIELD. The well-known old Connecticut variety. Grows well among corn; varies in shape. Excellent dairy stock feed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

RHUBARB

Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred, the better. Sow in drills an inch deep and thin out the plants to six inches apart.

LINNAEUS. The earliest of all and very productive and highly flavored. Oz. 15c, $\frac{1}{4}$ lb. 50c, 1 lb. \$1.50.

VICTORIA. Very large; later than Linnaeus. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

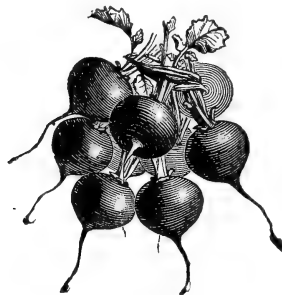
We can furnish you with books for special culture of the following vegetables; asparagus, cabbage and cauliflower, celery, mushrooms, melon, onion, rhubarb, tomatoes. Ask for prices.

RADISH

CULTURE. Sow in the spring, as soon as danger of heavy frost is over, in drills eight to twelve inches apart and cover from one-fourth to one-half inch deep. The soil should be rich, sandy and thoroughly pulverized. Light frost, will not kill young radishes but will check the growth, and they do best when they keep growing right along. Sow every ten days for a succession of crops. During the hot months, summer or winter radishes will do better than the early sorts, which get stringy and pithy. Winter radishes can be stored in winter the same as potatoes or other roots and furnish an acceptable relish through the winter months. One ounce will sow 100 feet drill, eight to ten pounds to an acre.

EARLY SCARLET TURNIP. A small round, red turnip-shaped radish, with a small top, and of very quick growth. A very early variety deserving general cultivation on account of its crisp and tender qualities. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

ROSY GEM. It is one of the very earliest in cultivation. The shape is perfectly globular, with rich, deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp and delicious, never becoming hollow or pithy. Desirable for growing under glass and should be planted by everybody. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



RADISH. Early Erfurt.

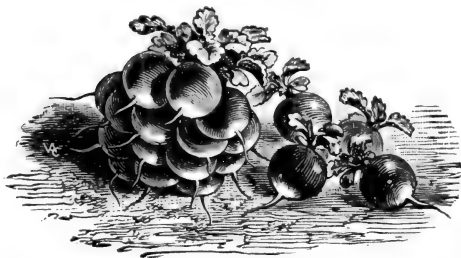
EARLY ERFURT DARK ROUND RED or DEEP SCARLET TURNIP. Grown side by side with other stock, its characteristics were so marked that it was easily picked out from the others. Its shape is of the very best type of the round sorts; color of skin a very dark red, white flesh with small tap-roots; one of the best for forcing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

FRENCH BREAKFAST. A medium sized radish, olive shaped, with small top; of quick growth; very crisp and tender; of a beautiful scarlet color, except near the root, which is pure white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

HALF LONG DEEP SCARLET. The roots of this hardy and desirable variety are of a very brilliant deep, rich, red color and half long with a somewhat tapering point; flesh is very white, crisp and tender and holds its juiciness well, not becoming pithy till overgrown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70.

EARLY WHITE TURNIP. Flesh white and semi-transparent. It is a few days later than the scarlet turnip; will bear heat without becoming spongy. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

RADISH—Continued



Radish—Early Scarlet Turnip, White Tipped.

EARLY SCARLET TURNIP, WHITE TIPPED.

A beautiful variety; deep scarlet with white tip. It is very ornamental for table use, and is becoming very popular as a market variety. It is of the same size and shape as the scarlet turnip variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

BARTELDES GLASS RADISH. This radish comes from the same gardener in Denver, who originated the Denver Market Lettuce, and is a fine acquisition. It is a long radish of light pink color, white tipped, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. It was named "Glass Radish" on account of the fine transparency of the flesh. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

EARLY LONG SCARLET SHORT TOP, IMPROVED. This is undoubtedly the best standard variety for private garden and market use. It grows six or seven inches long, half out of the ground. It is very brittle and crisp and of quick growth. Color, bright scarlet; small top, tapers regularly to the root, and is uniformly straight and smooth. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

LONG WHITE VIENNA or LADY FINGER. This is one of the finest long white radishes in cultivation. It is most beautiful in shape; both skin and flesh are pure snow white; crisp, brittle and of rapid growth. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

CHARTIERS. Color, scarlet at top, shading to pink at center, and white at tip. It is very crisp, tender and of mild flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

CHINA ROSE-COLORED (Winter). This variety is becoming very popular with the market gardeners. It is of a half long shape, pink color, flesh solid. It has not that strong flavor peculiar to the Black Spanish, and keeps equally well. It should be sown during August. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

LONG BLACK SPANISH (Winter). This variety is sown the last of summer for fall and winter use. Grows to a large size; ob-

long shape; quite solid. If stored in pits or packed away in sand, it will keep good until spring. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.



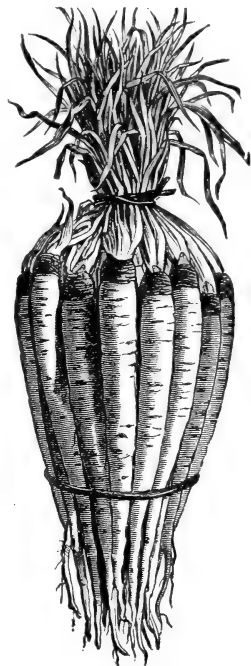
Radish Chartier's.

ROUND BLACK SPANISH. Of similar nature and quality of the long, differing in shape. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

SALSIFY OR OYSTER PLANT

CULTURE. The Oyster Plant succeeds best in light, well-enriched, mellow soil, which, previous to sowing the seeds, should be stirred to the depth of eighteen inches. Sow early in the spring, in drills fifteen inches apart; cover the seeds with fine soil, an inch and a half in depth. One ounce to sixty feet of drill; seven pounds to an acre.

MAMMOTH SANDWICH ISLANDS. This new salsify, recently introduced from the Sandwich Islands, grows fully double the size of the common variety, and is superior in quality. It is pure white in color, and is invaluable to market gardeners. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.



Salsify.

SPINACH

CULTURE. Sow the seeds in drills a foot apart or broadcast and cover about one-half inch deep. The main crop is sown in September, and it is sometimes covered with straw in exposed places during winter, which prevents it from being cut with the frost. For summer use it may be sown at intervals of two or three weeks from March to August. Spinach is best developed and most tender and succulent when grown in rich soil. One ounce to one hundred feet of drill; ten to twelve pounds to an acre.

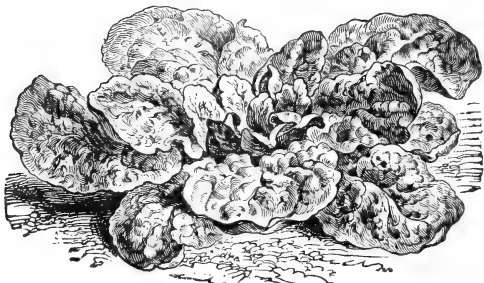
LONG STANDING. An improved strain of excellent merit, having all the good qualities of the ordinary sorts. What renders it especially desirable is the fact that it is much later in going to seed than any other variety. This valuable quality will be appreciated. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c.

ROUND SUMMER. This variety is generally preferred for early spring sowing, and is popular with market gardeners. Leaves, large, thick and fleshy. Not quite so hardy as the prickly, but stands winter well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c.

LARGE ROUND THICK LEAF VIROFLAY. A new variety, with very large, thick, leaves, making it especially desirable where bulk is desirable. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c.

PRICKLY WINTER. The hardest variety, and will stand the severest weather with only slight protection of leaves or straw. The seed is prickly; leaves triangular, oblong, or arrow-shaped. It is the best for fall sowing, which in this latitude is made about the first of September. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c.

SPINACH—Continued



SPINACH. Savoy Leaved.

AMERICAN CURLED SAVOY LEAVED. A most valuable variety. In appearance the leaf is wrinkled in the same way peculiar to the Savoy cabbage, from whence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy, and in all other respects equal. The best and most productive sort for market gardeners. Pkt 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c.

SQUASH

CULTURE. Sow about the beginning of May in hills, the early sort about four feet apart, and the late varieties six to eight feet. Drop enough seeds to be thinned to three plants in a hill. The hills should be highly manured and prepared in a similar manner as those for cucumbers. One ounce to forty hills for small sorts; large varieties, one ounce to twenty hills; four or five pounds to an acre.



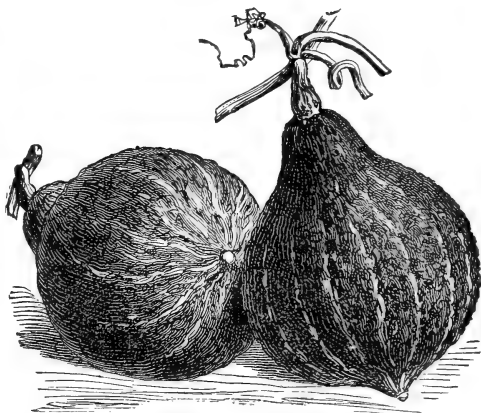
SQUASH. Summer Crookneck.

GOLDEN SUMMER CROOKNECK. A small crooknecked summer squash; skin bright yellow, covered with warty excrescences. Very early, productive and excellent flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY WHITE BUSH. This is the well-known White Patty-pan squash; the earliest to mature; very productive; light cream colored. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

SIBLEY'S. One of the best shippers owing to the hardness of the shell; flesh is solid and thick, a bright orange color and of choice quality; flavor rich and sweet, and it ripens evenly. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00

MARBLEHEAD. It is unquestionably an excellent keeper, and is finer grained and dryer than any sort we have seen. About the size of the Hubbard, with shell of bluish-green, and bright orange flesh. Requires the whole season to mature. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.



SQUASH. Hubbard.

HUBBARD. The best table squash yet known, good specimens being about equal to the sweet potato; it has a hard shell, and with the same care will keep three months later than the Marrows; flesh fine grained, dry and of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

WARTY HUBBARD. This is one of the best in quality of all winter sorts, is attractive on the market and a ready seller. Very hard shell, which insures long-keeping qualities. High prices can be gotten in the early spring market. It is considered an improvement on the old type of Hubbard on account of its warted skin. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

GOLDEN HUBBARD. This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller; earlier to mature, and of a rich orange red color, instead of the dark olive green of the old Hubbard, while the flesh is a little deeper colored and fully as good quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

MAMMOTH CHILL. Although not new, we desire to call the special attention of all who want "mammoth squashes" to this variety. Size enormous, often weighing 100 to 200 pounds, very profitable for stock feeding, especially where root crops are grown extensively; remarkably productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

TOMATO

CULTURE. The seed should be sown in March, in a hotbed or greenhouse; or they may be sown in a box and kept inside the window of a room where the night temperature is not less than sixty-five degrees. About the middle of May the plants may be set in the open ground, setting them three or four feet each way. To secure early fruiting pinch off a part of the side shoots, leaving only two or three branches to a plant. One ounce will produce 1,200 to 1,500 plants.

SPARK'S EARLIANA. The earliest large, smooth, red tomato. This tomato is not only remarkable for its earliness, but for its very large size, handsome shape and bright red color. Its solidity and fine quality are quite equal to the best medium and late sorts.

KANSAS STANDARD. The "Kansas Standard" belongs to the potato-leaved section of tomatoes; is of rapid, vigorous growth, with strong, heavy stalks, which stand up well unless which is often the case, it is pulled down by over-abundant fruit. It begins blooming when only six or seven inches high, attains a height of from two and one-half to three feet, and sets its fruit, a rare habit in any tomato, from the first blooms. The fruit is of a bright, glossy red color, and is produced in clusters of four to five tomatoes. It is a first rate keeper. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 75c.

DWARF CHAMPION. Its close, upright growth enables it to be planted much nearer together than any of the older sorts, and the yield, therefore, is accordingly much greater. In productiveness it is unsurpassed. It is also very early. The fruit resembles the Acme, and is of a purplish-pink color, and always smooth and symmetrical in form. It is medium size and attractive in appearance; the skin is tough, and the flesh solid and of fine quality. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

EXTRA EARLY RED. An old favorite and much in demand for private gardens where early small size tomatoes are wanted. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.



BEAUTY. The color is a very glossy crimson, with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size very late in the season. It is very productive and will yield more pounds of fruit to the acre than any other kind. It ripens very early and evenly, and is perfect in shape. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

ACME. A tomato of superior quality; size medium; shape slightly oval; color maroon or reddish with slight tinge of purple; flesh deep scarlet and unusually solid. A characteristic of this tomato is its entire freedom from all irregularities, every specimen being as smooth as an apple. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

ATLANTIC PRIZE. This is the largest, smoothest, best flavored and brightest colored extra early tomato. Vine medium size, with few leaves, very hardy, bearing the fruit low down on the stem and in enormous clusters, which ripen all together. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

PERFECTION. It is the largest perfect shaped tomato in cultivation. It has no green core, is as smooth as an apple, never cracks after ripening. It is a brilliant dark glossy-red color, ripening all over and through evenly. It has not so much early ripe fruit as some varieties, but it bears continuously till frost. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

STONE. It ripens for main crops; is very large. It is a brilliant dark glossy-red color, ripening evenly to the stem without a crack;

exceedingly solid and firm-fleshed as the name indicates; is an excellent shipper; quality the very best; fine for canning; a good keeper, not subject to rot. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

GOLDEN QUEEN. The superior flavor of the yellow varieties is bringing them into favor as table fruit, and this is the best yellow tomato grown. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

YELLOW also RED PLUM. Excellent for preserving. Pkt. 5c, oz. 25c.

YELLOW also RED PEAR. Used for preserving. Pkt. 5c, oz. 25c.

HUSK TOMATO or GROUND CHERRY. This is much liked by many for preserves and for eating from the hand; it makes also good pies, and is very fine dried in sugar. Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 75c.

TURNIP

CULTURE. Turnips do best in highly enriched, light, sandy or gravelly soil; commence sowing the earliest varieties in April, in drills from twelve to fifteen inches apart, and thin out early to six or nine inches in the rows. For a succession, sow at intervals of a fortnight until the last week in July, from which time until the end of August sowing may be made for the fall and main crop. One ounce will sow 150 feet of drill; one and one-half pounds to an acre.

EARLY SNOWBALL. Is medium sized, pure white and early, of excellent quality. In our market it is much admired. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

PURPLE TOP (Strap Leaved). The standard of this part of the country. Superior for early or late planting. Round, flat, good sized, small top, with but few leaves; flesh very fine grained; flavor good. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

EARLY WHITE FLAT DUTCH (Strap Leaved). This is a popular early turnip for table use. For autumn and early winter use, this and the Purple-top are highly popular. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



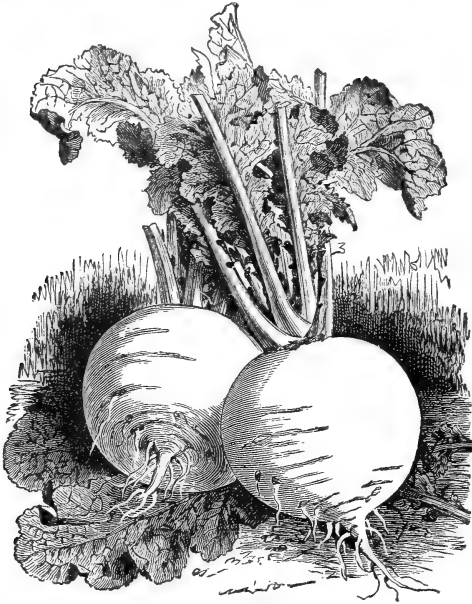
TURNIP. White Milan.

EXTRA EARLY WHITE MILAN. The earliest in cultivation. The bulb is very flat, of medium size, quite smooth, leaves few, short and light of color, growing very compact and making an exceedingly small and neat top. The pure white flesh is of the choicest quality, hard, solid and fine-grained. It is an excellent keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY WHITE EGG. A quick growing, egg-shaped, perfectly smooth, pure white variety, growing half out of the ground, with small top and rough leaves. Its smooth, white skin and quick growth make it particularly grown for market purposes. The flesh is very sweet, firm and mild, never having the rank, strong taste of some varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

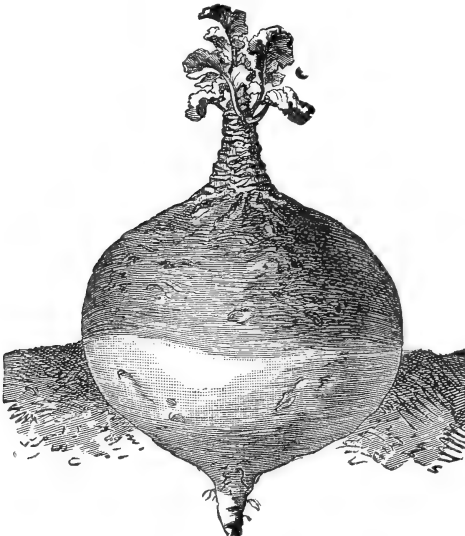
TURNIP—Continued

LARGE EARLY RED TOP GLOBE. Large size, rapid growth, unusually attractive, and admired by all who have seen it. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

**TURNIP. White Globe.**

POMERANIAN WHITE GLOBE (Strap Leaved). This is a free-growing, rough-leaved sort, useful for both table and stock. Turnip cultivators need not hesitate to sow it for stock, market or family use; it is not quite so rapid in growth as the flat varieties; may be expected to come in as a succession in autumn and is admirable for table use in early winter. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

AMBER GLOBE (Strap Leaved). One of the best varieties either for table use or for a field crop for stock. Flesh yellow, fine grained and sweet; color of skin yellow, with green top.

**RUTABAGA. Yellow, Purple Top.**

Hardy, keeps well, a good cropper, grows to a very large size. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

YELLOW ABERDEEN or SCOTCH YELLOW. This is a highly approved cattle turnip attaining a large size. It is solid, nutritious, a good keeper and is in every respect reliable. It is celebrated for cattle feeding. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

Rutabagas or Swedish Turnips

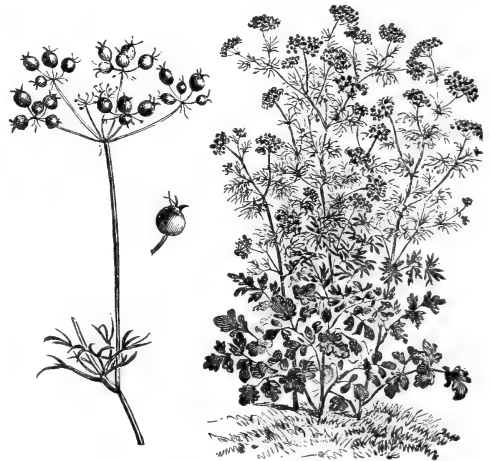
For feeding stock in fall or winter there is nothing superior to Turnips and Rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

PURPLE-TOP YELLOW RUTABAGA. The best variety of Swedish turnip in cultivation. Hardy and productive, flesh yellow, of solid texture, sweet and well flavored; shape slightly oblong; terminates abruptly with no side or bottom roots; color deep purple above and bright yellow under the ground; leaves small, light green, with little or no neck; the most perfect in form, the richest in flavor, and the best in every respect. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

SWEET GERMAN. Flesh white, hard and firm, partaking much of the nature of a rutabaga. Must be sown much earlier than the flat turnip. In the autumn and early winter it is apt to be hard, but mellow like an apple by keeping. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50.

SWEET HERBS

Every kitchen garden should have at least a few of these useful herbs.

**Anise.**

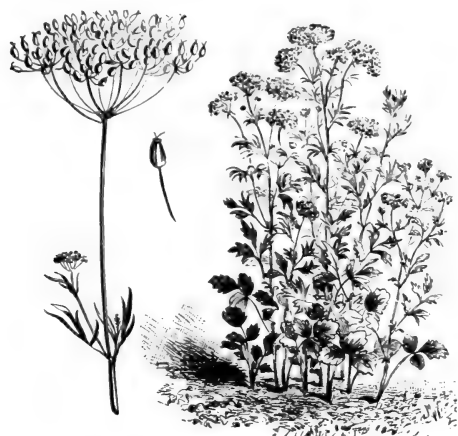
ANISE. This herb is an annual, and is cultivated for its seeds and its leaves, which are occasionally used as a garnish and for seasoning. The seeds have a fragrant, agreeable scent, and a sweetish, pleasant taste. Pkt. 5c, oz. 10c.

CARAWAY. Its roots are sometimes used for cooking, and it is said to equal the parsnip. The seeds are used medicinally. Biennial. Pkt. 5c, oz. 10c.

CORIANDER. Its tender leaves are sometimes used for soups and salads. Its seeds have a pleasant, aromatic taste, and are carminative and stomachic. Annual. Pkt. 5c, oz. 10c.

CHERVIL. A native of south Europe. It is used for soups and salads. An annual. Pkt. 5c, oz. 15c.

CATNIP or CATMINT. A great favorite medicinal herb; also for bee keepers. Pkt 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.



Coriander.

DANDELION. The Dandelion resembles Endive, and is sometimes cultivated for spring greens, or for blanching or salad. The roots, when dried and roasted, are often employed as a substitute for coffee. Large leaved. Pkt. 5c, oz. 25c.

DILL. Is a native of southern Europe. It is cultivated for its seeds, which are used medicinally in cases of flatulence and colic in infants.

Leaves are often used for culinary purposes. Annual. Pkt. 5c, oz. 10c.

HOREHOUND. A native of Europe. It has a strong, aromatic smell, and is used as a tonic. It is also used in cases of pulmonary complaints. Perennial. Pkt. 5c, oz. 20c.

ROSEMARY. The tops are used in medicine. Perennial. Pkt. 5c, oz. 30c.

SAVORY. A native of Italy. Leaves much used for culinary purposes. They have a very agreeable flavor. If powdered finely and sealed tightly in glass bottles, will retain their flavor a long time. Annual. Pkt. 5c, oz. 10c.

SAGE. The leaves are used for seasoning, stuffing, etc. Tea made from the leaves is an excellent sudorific. Perennial. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

SWEET FENNEL. The stalks are sometimes blanched and eaten like celery. The seeds are used carminatively; also medicinally. Perennial. Pkt. 5c, oz. 10c.

SWEET MARJORAM. A native of Portugal. An aromatic of very sweet flavor; the leaves are used in soups, broths, etc. Biennial. Pkt. 5c, oz. 15c.

WORMWOOD. Used for medicinal purposes. It is also beneficial to poultry, and should be placed in poultry grounds. Pkt. 5c, oz. 20c.

SWEET THYME. It is a native of Greece. It is both a medicinal and culinary herb. Thyme tea is a cure for nervous headache. Height six or eight inches. Perennial. Pkt. 5c, oz. 20c.

LIST OF LEADING FLOWER SEEDS

Many other popular varieties of Flower Seeds supplied promptly

ALYSSUM SWEET.

A favorite flower for bouquets; white, very fragrant, and producing a succession of bloom through the summer and until after severe frosts. Always wanted when a bouquet is made. Height 1 foot. Hardy annual.

Alyssum Maritimum. Pkt. 5c, oz. 25c.

ASTER.

No family of plants bears such distinct marks of progress as the Aster, and none are more eagerly sought. An almost endless variety, always reliable.

For best results sow seed early indoors, then transplant to open ground. Our seed is German grown and can be depended upon for fine blooms.



Good Mixed. Of tall varieties, many kinds. Pkt. 5c, ¼ oz. 40c.

BALSAM.

(Ladies' Slipper, Touch-me-not.)

Magnificent plants, producing their gorgeous masses of beautiful, brilliant-colored flowers in the greatest profusion.

Balsam, Double Tall. Fine mixed. A particularly fine strain of Balsam. Pkt. 5c.

CARNATION AND PICOTEE.

The carnation has always been one of the most esteemed of the florist's collection, and there is no flower more esteemed for the garden. Sow under glass in greenhouse or hotbed, and when of sufficient size transplant two feet apart each way.



Carnation Picotee.

Carnation Picotee. Saved from a rich collection of sweet-scented sorts, large, double flowers. Finest mixed. Pkt. 10c.

Marguerite Carnations. The plants are branching, compact and neat in habit, standing well upright without any support. Pkt. 10c.

CANDYTUFT.

One of the most popular hardy annuals, almost equally so as Sweet Alyssum. Like it, it is one of the easiest culture and grown for a variety of purposes almost all the year round.

Candytuft. White. Pkt. 5c.

Candytuft. Mixed. Pkt. 5c.

CASTOR BEANS (*Ricinus*).

Plant of tropical appearance, that should have a place in every garden affording the requisite space. The stalks of the plant of this variety are of a brownish red; the leaves are very large, palmate, and strikingly elegant. Height 6 to 10 feet. Tender annual.

***Ricinus Zanzibariensis*.** New Zanzibar, a giant, a large-leaved variety. Pkt. 5c, oz. 20c.

CENTAUREA (*Bachelor's Button*).

An exceedingly interesting genus of plants, embracing annuals, biennials and perennials. Some of the varieties are magnificent foliage plants, while others are noted for their beautiful flowers.



Centaurea Cyanus
(Bachelor's Button or Ragged Sailor).

Centaurea Cyanus. Mixed. Pkt. 5c.

COSMOS.

Of very rapid growth and make large bushes, fully five feet high, which are a mass of elegant foliage until they bloom in August. From September until November each plant is covered with hundreds of showy blossoms, two inches in diameter, pure white, flesh color, charming light pink and deep rose in color, each with a bright yellow center.

All Colors Mixed. Pkt. 5c.

CONVOLVULUS (*Morning Glory*).

All will recognize in this the most popular annual in cultivation, for in this tribe is included the well-known Morning Glory. The minor varieties are largely used and well suited for bedding. Half hardy annuals.

Convolvulus. Tall. Very fine mixed. Pkt. 5c.

Convolvulus. Dwarf. Height 1 foot. Pkt. 5c.

DAISY.

Sow early in hotbed and, when large enough, transplant to rich, cool, partially shaded situation. Set the plants six inches apart. Roots can be divided at any time. Flowers are most abundant in spring. Tender perennial, six inches high.

Daisy. Double mixed, very fine. Pkt. 10c.

DIANTHUS SINENSIS (*Indian Pink*).

This magnificent tribe is one of the most satisfactory that can be raised from seed. *Dianthus Sinensis* and varieties are known as Indian Pinks, perhaps one of the most beautiful classes of plants existing.

Dianthus Chinese. Mixed. Pkt 5c.

ESCHSCHOLTZIA (*California Poppy*).

Very profuse blooming plants of extremely rich and beautiful colors; one foot. Hardy annuals.

Eschscholtzia Californica. Very fine mixed Pkt. 5c.

MIGNONETTE.

A well known hardy annual, producing dense, semi-globular heads of exceedingly fragrant flowers, borne on spikes three to six inches long. It is in bloom nearly the whole season, and the perfume is so fragrant that the whole atmosphere around is perfumed.



Reseda Odorata. Large flowering variety. Pkt. 5c.

Mignonette, Dwarf. Machet, French variety, with broad spikes of very fragrant red flowers. Pkt. 10c.

MARIGOLD.

The Marigold has been an inhabitant of the flower garden from time immemorial, and where a rich display of bloom is desired, is almost indispensable. Half-hardy annual; bloom till frost.

Marigold, African, Double Tall. Very fine mixed. Pkt. 5c.

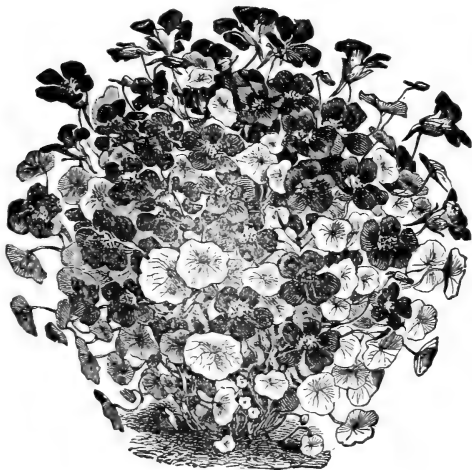
MARVEL OF PERU, or FOUR O'CLOCK.

Old-fashioned, but none the less beautiful on that account. The plants are large and require four feet space; make a pretty hedge. Some of the varieties have beautifully variegated leaves. Will grow in any common garden soil.

Marvel of Peru. Hybrid, finest mixed. Pkt 5c.

NASTURTIUM.

These will always be valuable summer flowering plants. They flower better, however, in a poor, rocky soil, as a rich one has a tendency to make them "run to leaf." The "Tom Thumb" varieties are splendid bedding sorts. Tender annuals.



Nasturtium, Dwarf or Tom Thumb. Fine mixed. Pkt. 5c.

Nasturtium. Tall, finest mixed. Pkt. 5c.

PETUNIA.

Most valuable plants, succeeding well almost anywhere. They are particularly showy in beds or masses, and are universal favorites on account of their richness of color, fragrance and continued blooming.

Petunia Hybrid. Extra fine mixed. Pkt. 5c.

Petunia Hybrid, Double. Large flowering striped, mixed; very fine strain, with large, perfect flower. Pkt 25c.

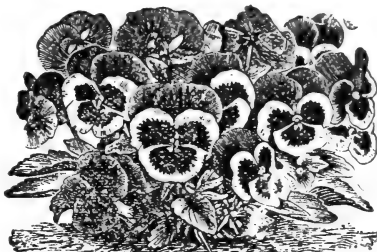
PHLOX DRUMMONDII.

Phlox Drummondii is one of the very finest of annual plants, and stands almost unrivaled for profusion of color. The seeds can be planted in open ground in autumn or spring, or plants may be started in a hotbed and transplanted. Give good, rich ground, and set plants six inches apart each way. Hardy annual; one foot high.

Phlox Drummondii. Fine mixed. Pkt 5c.

PANSY.

These lovely flowers are favorites with all, not only for the brilliancy and variety of their colors, but for the durability of their bloom. Seeds may be sown in open ground in spring or summer, or in hotbeds early in spring. The ground cannot be too rich; coolness and moisture are necessary. Transplant them when an inch high. Hardy biennial; four inches high.



White, with dark center, pkt. 10c.

Black, King of Blacks, pkt. 10c.

Yellow, a beautiful clear yellow, pkt. 10c.

Blue, azure blue, pkt, 10c.

Purple, deep royal purple. pkt. 10c.

Bronze, a golden bronze, pkt. 10c.

Mixed, all colors, pkt. 5c.

One packet of each of above seven for 50c.

POPPY.

Hardy annual of quick growth and producing large, brilliant colored flowers, growing freely in any garden; produces a fine effect in clumps or beds.

Poppy, Double Carnation, Flowered. Mixed. Pkt. 5c.

PORTULACA (Moss Rose).

Beautiful and popular hardy annuals of the easiest culture, luxuriating in an exposed, sunny situation, and producing throughout the summer their flowers of almost every hue in the greatest profusion. The double Portulaca is one of the finest annuals in cultivation. Six inches high.

Portulaca, Single, Fine, Mixed. Pkt. 5c.

Portulaca, Grandiflora Flore Pleno. Fine double mixed. Pkt. 10c.

STOCKS (Gilliflower).

To have them bloom early, start in hotbed and transplant when small into pots, and turn out in June to open border. They will blossom late in the season if planted in open ground. Hardy annual; one foot high.

Stocks, German, Ten Weeks—double; very fine, mixed. Pkt 10c.

SWEET WILLIAM.

The seed can be planted very early in the spring in open ground, and will blossom the following autumn, or it can be sown in August and will make fine blooming plants for spring. The plants will bloom several years, but young plants bloom better, and seeds should be sown every year. Hardy perennial; one and a half feet high.

Sweet William. Double mixed. Pkt. 10c.

Sweet William. Single mixed. Pkt. 5c.

SWEET PEAS

CULTURE. Sweet Peas can be sown as early, in March, as the ground can be worked. Make a trench about six inches deep, in rich, mellow soil, and sow the seeds, dropping a pea every inch or two. Then cover about two inches deep and put a board over it so as to keep the rain water from staying in the trench. As soon as the young plants appear remove the board and fill in the trench as they grow. Sweet Peas delight in rich soil, and some varieties will run seven feet high. If the soil is too heavy, sticky, put a couple inches of sand in the bottom of the trench, or even ashes mixed with ground will help it a great deal. Pick off the flowers as soon as they are fully expanded, or they will stop blooming as soon as the seed pods are formed and the seeds commence to ripe.



Sweet Peas.

Prices for all varieties of named Sweet Pea Seeds: Pkt. 5c, oz. 10c, 3 1-oz. pkts. 25c, ¼ lb. 20c, lb. 60c.

WHITE.

Emily Henderson. A persistent bloomer.

Blanche Burpee. A splendid pure white variety.

PINK.

Katherine Tracy. A soft but brilliant pink.

Lovely. A delicate shell, tinged with yellow, often four flowers on a stem.

Apple Blossom. Bright rose and pink.

PINK AND WHITE.

Early Blanche Ferry. This is the standard among florists, as it has no rival for forcing. Our strain is the "earliest of all" and is very early.

ROSE.

Her Majesty. Large hooded flowers, with usually four to a stem.

SCARLET.

Salopian. Very bright scarlet with large flower.

Cardinal. Intense crimson scarlet.

LAVENDER.

New Countess. Delicate lavender, the finest in this color.

Lady Grisel Hamilton. Very large, with long stems.

BLUE.

Captain of the Blues. Bright purple blue.

Navy Blue. The large flowers are of a rich violet purple with the effects of a dark navy blue.

YELLOW.

Mrs. Eckford. Beautifully shaded. Very vigorous grower.

VARIEGATED.

Gray Friar. Flaked and flushed gray on white ground.

Juanita. Standard mauve, wings lavender, both striped.

MAROON.

Black Knight. Very deep maroon, an improvement on Boreatton.

MIXED.

Columbine Brand Mixture. Nothing better in mixture of varieties, and should not be compared with ordinary mixtures on the market. We mix in all our named varieties. Oz. 10c, 2 oz. pkt. 15c, ¼ lb. 20c, lb. 60c, 3 lbs. \$1.50.

Eckford's Hybrids. Mixed. Oz. 10c, 2 oz. pkt. 15c, ¼ lb. 20c, lb. 60c.

DWARF SWEET PEAS

Ten inches high. A dwarf variety that is suitable for pot culture, hanging baskets, etc.; is a decided acquisition in Sweet Peas; this we have in Dwarf Cupids. Blossoms are smaller than ordinary tall varieties.

White Cupid. Pure white blossom. Pkt. 5c, oz. 10c, 2 oz. pkg. 15c, ¼ lb. 25c.

Pink Cupid. Pkt. 5c, oz. 10c, 2 oz. pkg. 15c, ¼ lb. 25c.

Mixed Cupid. Contains many colors. Pkt. 5c, oz. 10c, 2 oz. pkg. 15c, ¼ lb. 25c.

EVERLASTING PEAS

A perennial climber, producing a succession of white, rose and purple blossoms in clusters. Suitable for trellises, arbors, etc. Hardy perennial. Height 8 feet. Mixed, pkt. 5c, oz. 25c.

VERBENA.

Flowers perfectly well from seed sown in spring. If started in the house in pots in winter they will be in bloom sooner, but if sown in open ground in May they will bloom in August. Each plant will require a space of four feet. Tender perennial trailer; one foot high.

Verbena Hybrida. Extra choice, mixed. Pkt. 10c.

ZINNIA ELEGANS (Youth and Old Age).

A very showy plant with large double flowers, which, when fully expanded, form hemispherical heads, become densely imbricated, and might easily be mistaken for dwarf Dahlias. The colors run through all the shades of carmine, lilac, scarlet, purple, crimson, yellow, to pure white. Sow the seed early in the spring, in open ground, and transplant to one and one-half feet apart, in good, rich soil. Half-hardy annual; one and one-half feet high.

Zinnia Elegans. Double, mixed; saved from selected flowers. Pkt. 5c.

"WILD FLOWER GARDEN" (or Mixture of All Kinds of Flower Seeds).

The seeds we offer for the "Wild Flower Garden" are a mixture of over 150 different varieties, and being mixed can be offered at a much less price than when sold in separate packets. No one, not having such a bed, can form an idea of its beauty, the different seasons of bloom insuring something new almost every day. Large pkt. 10c, ¼ oz. 15c, ½ oz. 25c.

GRASS SEEDS AND FORAGE PLANTS

Prices Subject to Fluctuation

LAWN GRASS

How to Make a Lawn.

The soil of the proposed lawn should be thoroughly prepared. Let it all be thoroughly plowed, harrowed and well pulverized, and finally raked to a smooth, even surface. Scatter over the surface of the ground, after sowing the seeds, if somewhat poor, a coating of rich well rotten manure, or of some good lawn fertilizers. We are always disposed to advocate a liberal quantity of seed, for the simple reason that the seed is but a very small item of the expense of making a lawn, and that it is always desirable to have a thick, close turf as soon as possible. Finish off by rolling with a moderately heavy lawn roller, and patiently await the results. If everything is favorable, a nice green lawn about the first of August will be the result. Run the mower over it frequently, and remove all obnoxious weeds. The first season the grass may be a little thin, but one season more will make it as thick and velvety as the best of turf. If the grass appears very thin in spots, sow on these a little more seed the following spring. Can be sown at any season of the year. One pound of mixed lawn grass will cover nicely one hundred and fifty square feet.

FANCY MIXED.

- 1 pound package, 25c.
- 3 pound package, 65c.
- 5 pound package, \$1.00.

KENTUCKY BLUE GRASS

The Great American Grass. The Standard For Lawns.

The old standard grass for pasture as well as lawns. Every farmer knows it and its good qualities. An old "Blue Grass farmer," of central Kentucky, says about it: "Whoever has limestone land has Blue Grass; whoever has Blue Grass has the basis of agricultural prosperity, and that man, if he has not the finest horses and cattle has no one to blame but himself. He can hardly avoid doing well if he tries." Sow about twenty-five to thirty pounds to the acre for meadows, for lawns sixty-five to eighty pounds per acre. Lb. 25c.

CREEPING BENT GRASS. Especially recommended for lawns at country homes where depending on irrigation. It flourishes where but little moisture. Also good on terraces and sloping ground. Lb. 25c, 5 lbs. \$1.00.

WHITE DUTCH CLOVER—For Lawns. This thrives in any reasonably good soil. It is a low creeping growth and is valuable in pasture mixtures. The greater per cent. of demand in the West is for use in lawns. It adds much to the beauty of a velvety green lawn. We have secured a stock of strictly clean new crop seed

which we offer at: $\frac{1}{4}$ lb. pkg. 10c, $\frac{1}{2}$ lb. pkg. 20c, lb. pkg. 35c, 3 lbs. for \$1.00.

We have also a very choice grade White Clover seed suitable for pasture sowing. 4 lbs. for \$1.00.

ALFALFA (Medicago Sativa). Alfalfa, or Lucerne, is a deep-rooting, perennial plant, sending up numerous small and clover-like shoots. Leaves pinnately foliate, leaflets obvate-oblong, toothed; the flowers, instead of being in a dense head as in clover, are in erect racemes; the corolla is a violet purple, and the many-seeded pod is spirally coiled. The blossoms are rich in honey food. It does not thrive well in a compact clay soil or in any shallow soil having a clay bottom, but requires a sandy loam, the



Alfalfa.

richer the better, such as abounds in all the valley lands of Colorado. Alfalfa flourishes up to an altitude of 7,500 feet above the level of the sea, but at points higher it is likely to kill out before strong roots are secured. Spring rains, as a rule, answer until within a week of the first cutting, when a thorough irrigation is desirable, though often a first crop is cut without further moisture than the natural rainfall. Irrigate immediately after a crop is removed from the field. The first year, if sown early and a good stand is obtained, one cutting; second year, two, though some have extra good fortune to get three cuttings; third year and thereafter, three and four crops, with a good

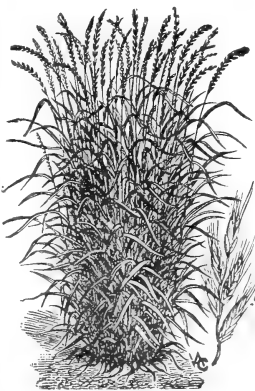
aftergrowth remaining, making excellent winter pasture. Cut when in full bloom, not later, unless you want stalks instead of hay. Sow from 15 to 25 lbs. to an acre. Lb. 25c, 10 lbs. \$2.00.

RED CLOVER. This species is regarded as one of the most important of the whole genus for the practical purpose of agriculture, being valuable, not only as a forage plant, but also for its fertilizing properties on the soil. It has very long and powerful tap-roots, and when these roots decay they add largely to that black mass of the matter called soil. As a forage plant it makes an excellent quality of hay, and can be cut at least twice a year. Sow 12 to 15 lbs. to the acre. Lb. 20c, 10 lbs. \$1.75.

ALSIKE CLOVER. Resembles in growth and duration the Red Clover, but is hardier. It matures early and is recommended for high altitude. Sow 5 to 8 pounds to an acre. Lb. 25c, 5 lbs. \$1.00.

MEADOW FESCUE or ENGLISH BLUE GRASS. Grows two or three feet high, but never in large tufts like Orchard Grass. One of the earliest, most nutritious and productive grasses. It is especially suitable for permanent pasture; thrives well in all soils, but to best advantage on moist lands. Makes good hay, and cattle thrive well on it, whether dry or in green state. It succeeds well even in poor soil, and as its roots penetrate the earth twelve to fifteen inches, it is not affected except by exceedingly dry weather, and is as valuable a fertilizer as clover. It is one of the hardiest grasses after a good stand is secured; it will stand more freezing than any other variety. It yields an abundant crop of seed. Notwithstanding its acknowledged merits, this grass has been sown only to a limited extent in this country. It is deserving of much more attention than it has heretofore received from our western farmers. Sow fifteen to twenty pounds per acre in spring. Lb. 15c, 8 lbs. \$1.00.

PERENNIAL ENGLISH RYE GRASS. While this has long been highly esteemed in Europe and Australia, it has but recently been recognized by our western ranchers. It is worthy of all the praise given. As a pasture grass it grows quick and withstands drouth reasonably well. We have reports of its success in the extreme north and far south as Mexico City. In the far west, also Old Mexico, it is used extensively for lawns. Our new crop seed is carefully cleaned and may be depended on. For pasture sow in spring 25 to 30 pounds to the acre. For lawns 60 to 70 pounds per acre. 1 lb. 15c; 8 lbs. for \$1.00.



Rye Grass.

TIMOTHY. As a crop for hay, Timothy is probably unsurpassed by any other grass. It is greatly relished by all kinds of stock, especially horses; yields more nutritive matter than any

other grass or forage plant. Being an early grass, it is well adapted to spring and summer grazing, and if the fall season is favorable it will grow sufficiently to furnish good fall grazing, too. Sow ten to twelve pounds to the acre. Lb. 10c, 12 lbs. \$1.00.

ORCHARD GRASS. No farmer should be without a small field of Orchard Grass, as in many respects it is superior to all other grasses. It stands the drouth, grows well in the shade, does well in wet or poor ground, and is splendid to prevent worn-out fields from washing. This grass furnishes excellent pasturage three weeks before any other, and after close grazing, ten days' rest is sufficient for another growth. Cows fed on this will produce more and richer milk than on blue grass. It makes a very heavy sod and, when well set, remains for many years. It is especially adapted for winter grazing, as it remains green all season. It is well suited to sow mixed with alfalfa; on average of 12 lbs. orchard to 8 lbs. alfalfa seed. Sow 20 to 25 pounds per acre. Lb. 20c, 6 lbs. \$1.00.

RED TOP. A valuable grass for moist soils. It is a good permanent grass, standing our climate as well as any other, and consequently well adapted to our pastures, in which it should be fed close, for if allowed to grow up to seed, the cattle refuse it. On moist, rich soil it will grow two feet, and on poor, gravelly soil, about half that height. It has been grown successfully even on "alkali" bottom lands, where other grasses failed. We have discontinued handling the chaffy grade of Red Top, and now offer only the clean seed. Sow 15 to 20 pounds clean seed to the acre. Lb. 20c, 6 lbs. \$1.00.

BROME GRASS (Bromus Inermis). A variety coming from Hungary and the northern provinces of Turkey. It is nutritious, and yields a heavy crop, and in these respects is said to be not inferior to alfalfa. It comes highly recommended as a variety that will mature a good crop with an astonishingly small amount of moisture, succeeding where most other kinds fail. We deem it worthy a thorough trial by farmers and stock raisers, on virgin soil and in dry sections. Thirty pounds per acre should be sown.

Aside from Alfalfa no grass has fulfilled the promises to our western farmers better than the Bromus Inermis. It meets drouth as well as wet and cold, and for Colorado we know of no grass to equal it. Many of our large ranchers are planting it extensively. Lb. 20c, 6 lbs. \$1.00.

GERMAN MILLET. No other grass or forage plant has been able to produce the enormous yield of this plant. It has produced four to five tons of hay to the acre, and from seventy to eighty bushels of seed. It is sown in the spring on newly broken prairie, and after harvesting it leaves the ground in the finest condition for wheat. Sow twenty-five to forty pounds to the acre. Lb. 10c, 10 lbs. 50c.

COMMON MILLET. It is an annual grass, with tender, juicy and luxuriant leaves, much relished by all kinds of stock; makes good hay. Sow twenty-five to forty pounds to the acre. Lb. 10c, 10 lbs. 50c.

NEW SIBERIAN or RUSSIAN MILLET. Is claimed to be the most wonderfully productive and satisfactory forage plant, possessing in a superior degree all the essential merits of any of the older sorts—exceeding them by far—besides many other points of excellence that distinguish it and render it a most valuable addition to the list of forages, and if the claims are well founded, it is destined to take front rank, if not lead all the rest. The claims made by its introducers are that it is from two to three weeks earlier than the German Millet, is a much heavier cropper, that the hay is much finer, stalks more elastic and growing much taller, that it is rust proof, and chinch bugs do not relish it, and being of stooiling habit requires much less seed per acre. You should try it. Lb. 10c, 10 lbs. for 50c.

MANITOBA or HOG MILLET. The seed is very rich and thus especially valuable as a hog food. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green, thus if cut promptly can be threshed for the seed, while the hay after being threshed will make excellent fodder. Sow same as other millet. Lb. 10c, 10 lbs. 50c.

DWARF ESSEX

RAPE. Main standby of the English farmer in raising choice mutton. Perfectly hardy, and remarkable fattening properties. Easily grown. One acre will pasture thirty-six head two months, and lambs will make a gain of from 8 to 12 lbs. per month. Figs and cattle are also extremely fond of it. A very rank grower and bears heavy manuring and high cultivation. Sow at intervals of several weeks and secure a supply of good feed. Sow in June. Rape should be fed in August, though if a first crop be cut about four inches from the ground an after-growth would be useful later. For breeding flocks a piece should be sown first week in July or later. Does well sown with oats. If soil is rich and clean, sow broadcast, otherwise in drills and cultivate same as corn. Poultry men will do well to grow small patch to feed green to growing chicks. Can be sown on wheat stubble, furnishing excellent pasture late in the fall. Broadcasted, it takes 8 to 10 lbs. to the acre. In drills, 4 to 5 lbs. to the acre. Per lb. 10c, 10 lbs. for 75c, 25 lbs. for \$1.50.



SORGHUM or EARLY AMBER CANE. The great fodder crop for dairymen. Dairy farmers say that the Early Amber Cane is the most valuable fodder plant in existence for their use. Notwithstanding its great adaptability as food for live stock, it is only quite recently that the real value of sorghum (or sugar cane) has attracted general attention. Its great merit is now beginning to be appreciated and the demand is increasing about ten fold every year. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and is but little affected by drouth. It is of the very best quality, being sweet, tender, nutritious and greedily eaten by cattle, horses and hogs. Dairymen find that the cows will give more and richer milk from its use, and it is claimed that as high as 10 tons of green fodder have been grown per acre. It can be cut several times during the season if not allowed to get too high, and makes good, sweet hay. Sow 100 lbs. per acre for best results. Price subject to market change. Lb. 10c, 4 lbs. for 25c.

RED KAFIR CORN. This grows taller than the white; the stalks are slenderer, but more

juicy and very leafy. The heads are long, slender, compact and grow erect; they measure from one to two feet. The seed is red, smaller than that of the white, and rather hard and brittle. It does well on poor land and yields well. It ripens a little earlier than the white variety and yields much heavier. It is highly recommended by the Kansas Agricultural College at Manhattan. Lb. 10c, 5 lbs. 25c.

WHITE KAFIR CORN. It grows from four to five feet high, making a straight, upright growth. It has a stalky stem, with enormous wide leaves. The stalks keep green and are brittle and juicy, not hardening like other varieties of sorghum, making excellent fodder either green or dried, which is highly relished by cattle and horses. The seed heads form at the top of each stalk, and as soon as these show the grain well, the joints next below the top send up shoots which yield the second seed heads. For the grain sow in rows three feet apart, three to five pounds of seed to the acre. For fodder sow 25 to 50 pounds, either broadcast or in drills. Lb. 10c, 5 lbs. 25c.

MAMMOTH RUSSIAN SUNFLOWER. Single heads measure fifteen to twenty-two inches in diameter, and contain an immense amount of seed, which is highly valued by all farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. It is the best egg producing food known for poultry. It can be raised cheaper than corn, and is destined to be an article of great value. Every farmer should plant some of the seed in any waste place of ground any time from early spring up to the middle of July. It is a wonderful improvement on the old native Sunflower, and besides the great value of the seed as poultry and stock food, its leaves making capital fodder, while its strong, thick stalks can be profitably used as fuel. Three pounds of seed will plant one acre. Selected seed, lb. 15c, 5 lbs. 50c.

FIELD PEAS

TIME OF SOWING. Being very hardy, the fear of rotting in the ground is not considered. The majority sow in April, although a pea-hay crop can be obtained if sown as late as July. Early sowing is best, giving full season for matured crop.

QUANTITY TO SOW. When early sowing is made, 30 to 40 lbs. of seed per acre makes a crop that covers the ground and produces good tonnage. If late sowing is made, 60 to 80 lbs. per acre is advisable, as the crop does not get to matured growth. Thick sowing will aid in choking out weeds.

The Colorado Stock Pea does not exhaust the soil rapidly like some crops; quite the opposite, the nitrogen taken from the air is stored in the ground through the roots. The growing crop can be plowed under when but partly matured—just in the milk—and makes an excellent fertilizer. Orchardists are learning this, and consider the crop valuable for this purpose alone.

HARVESTING. If wanted as pea-hay the growth should be at the period when the supply of nutriment in milk is in the vine just forming the pod, cut and cured like ordinary hay. This makes finest feed for dairy cattle, in fact, lambs, sheep, hogs and cattle relish this hay. If the peas are desired as dry grain, allow crop to mature and handle in shocks, threshing by machine after thoroughly dry. The dry seed can be ground into a meal, or be fed whole.

We have supplied ourselves with seed of the San Luis Valley, re-cleaned stock, which we offer.

We also offer the Wisconsin grown Green Canada Peas, and the Northern Grown Golden Vine.

Prices for each above fluctuate. Lb. 10c, 3 lbs. for 25c, 10 lbs. 65c. Write us when you are ready to buy in quantity.

If you want your pasture fields to look nice and green, and if you want them to yield heavy, use a top dressing of our Concentrated Fertilizer. You will be surprised at the results.

INSECT DESTROYERS

BORDEAUX MIXTURE. Concentrated liquid. Prevents black rot, mildew and rust. Qt. can size, 50c; gal. cans, \$1.25. In powder form: Lb. can, 25c, by mail 40c.

KEROSENE EMULSION. For plant lice of any kind, cabbage worms, scales, insects on trees, etc. Ready for use by adding 25 to 50 parts water to 1 pint of emulsion. Qt., 50c; gallon, \$1.25.

SULPHO-TOBACCO SOAP. This popular insecticide gives excellent satisfaction. It is cheap, affective, clean and harmless; 3 oz. cake makes 1½ gallons of prepared solution, 10c, by mail 13; 8 oz. cake makes 4 gallons, 20c, by mail 28c.

SLUG SHOT, HAMMOND'S. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms, fleas, beetles and striped bugs on melons, turnips, beets, onions, etc. 1 lb. carton, 20c; 5 lb. pkg. 65c.

BLUE VITRIOL (Sulphate Copper). In crystals ready to dissolve. 1 lb., 20c; 3 lbs. for 50c.

ARSENATE OF LEAD. An effective insecticide for leaf-eating insects and particularly suitable for very tender foliage, being perfectly safe to apply in any strength without danger of scorching. Will not wash off by ordinary rains. Use 6 lbs. to 100 gallons of water. 5 lb. cans, \$1.25.

WHITE ARSENIC. Ours is positively pure and superior to such that is offered fruit growers. 5 lbs. for 75c.

WHALE OIL SOAP. Used in the green-house, nursery and anywhere that insect life exists. Per lb., 20c; 5 lb. can for 85c.

TOBACCO DUST. To drive off green lice in hotbeds. Lb., 15c; 5 lbs., 50c.

TOBACCO STEMS. For fumigating. 10 lbs. for 75c; 25 lbs. for \$1.25.

PURE PARIS GREEN. Sealed pkgs., ¼ lb., 20c; ½ lb. 30c; 1b. 50c.

CONCENTRATED FERTILIZERS

Ask for Prices on Larger Quantity.

These fertilizers contain in a concentrated form food necessary to grow nutritious farm products in large quantity per acre at lowest possible cost in time, labor and money. They are quick in action. Do not contain weed seeds and are easily applied. We have now put up for our special brands.

DENVER LAWN FERTILIZER. Lawn grass is a voracious feeder, and will not thrive and hold its beautiful dark green color and velvety appearance unless it is suitably fed. The lack of this one requisite causes many poor and rusty looking lawns. Do not use barn manure, as it is apt to contain objectionable grass seed and obnoxious weed seeds, which you will have to fight for years to come. Price, 10 lbs., 60c; 25 lbs., \$1.25.

OUR "DENVER" VEGETABLE GROWER. After several seasons of experimenting with products from several leading fertilizer manufacturers, we have settled on this as our ideal fertilizer, for the grower of vegetables, also Strawberries and other small fruits. 10 lbs., 60c; 25 lbs., \$1.25.

NITRATE OF SODA. Being one of the strongest fertilizers known, great care should be exercised in its use. Use 200 lbs. to an acre or one ounce to 2 gallons of water. Price, 1 lb. 15c; 10 lbs. \$1.25.

SULPHATE OF POTASH. This is the strongest form of Potash in an available form for use in garden and green-house. Some prefer it to Nitrate of Soda for indoor use. 1 lb. 15c; 10 lbs. \$1.25.

ENGLISH, GERMAN, SPANISH AND ITALIAN NAMES OF VEGETABLES AND HERBS.

English.	German.	Spanish.	Italian.
Anis	Anis, Grüner Anis	Anis Matalahuga	Aniso Anacio
Asparagus	Spargel	Esparrago	Sparagio
Beans	Bohnen	Habichuela	Fagiuoli
Beet	Rübe	Remolacha	Barbabietola
Cabbage	Kopfkohl—Kraut	Col repello	Cavolo Cappuccio
Caraway	Feld Kümmel	Comino	Carvi
Carrot	Carotten—Möhren	Zanahoria	Carota
Cauliflower	Blumenkohl	Coliflor	Cavolfiore
Celery	Sellerie	Apio	Sedano
Celeriac	Knoll Sellerie	Apio nabo	Sedano-rapa
Coriander	Coriander	Culantro	Coriandorlo
Corn	Mais	Maiz	Mais
Cress	Garten-Kresse	Mastuerzo	Agretto
Cucumber	Gurken	Cohombro	Cetriolo
Dandelion	Löwenzahn	Diente de leon	Dente di leone
Dill	Dill	Eneldo	Aneto
Egg Plant	Eierpflanze	Berengena	Petronciano
Endive	Endivien	Endivia	Indivia
Fennel	Fenchel	Hinojo	Finocchio
Kale	Blätterkohl	Breton, Berza	Cavolo verde
Leek	Porree—Lauch	Puerro	Porro
Lettuce	Lattich-Kopfsalat	Lechuga	Lattuga
Marjoram	Majoran	Mejorana	Maggiorana
Melon	Melone	Melon	Popone
Melon, Water	Wasser Melone	Sandia	Melon d'Aqua
Mushroom	Schwamm	Seta	Fungo protajolo
Nasturtium	Kapuciner Kresse	Capuchina	Nasturzio
Onion	Zwiebel	Cebolla	Cipollo
Parsley	Petersilie	Perejil	Prezzemolo
Parsnip	Pastinake	Chirivia	Pastinaca
Peas	Erbsen	Guisante	Pisello
Pepper	Pfeffer	Pimiento	Peperone
Pumpkin	Melonen Kürbiss	Cabalaza-totanera	Zucca
Radish	Radies	Rabanito	Ravanello
Rhubarb	Rhabarber	Ruibarbo	Rabarbaro
Sage	Salbei	Salvia	Salvia
Salsify	Haferwurz	Salsifi blanco	Sassefrica
Summer Savory	Bohnenkraut	Ajedrea Comun	Santoreggia
Spinach	Spinat	Espinaca	Spinace
Squash	Kürbiss	Calabaza	Zucca
Thyme	Thymian	Tomillo	Timo
Tomato	Liebesapfel	Tomate	Pomo d'oro
Turnip	Weisse-Rübe	Nabo	Navone
Wormwood	Wermuth	Ajenjo	Assenzio

Gardeners' Small Tools

TROWELS.



No. 3090 is 6 inches long, all steel. Price 35c.

Common Riveted Trowels. 6-inch 15c, 7-inch 20c, 8-inch 25c. If by mail 5c extra each.

CLEVES' ANGULAR TRANS-PLANTING TROWELS. Small 25c, large 35c each.



HAZELTINE WEEDER.

One of the best, solid steel, good size and durable. Price 25c.



LANG'S HAND WEEDER.

One of the best in use. Allowing use of hand while working. Each 25c.



EXCELSIOR WEEDER.

A very useful tool for weeding seed beds, stirring the ground, etc. This is one of the most useful tools in working the garden. Price 15c.



COMBINATION WEEDER

Combining as it does both the rake and hoe, it is the most serviceable, durable and the most perfect weeder on the market. Allows weeding close to the plants, and is offered at about the same price as other weeders. Each 30c.

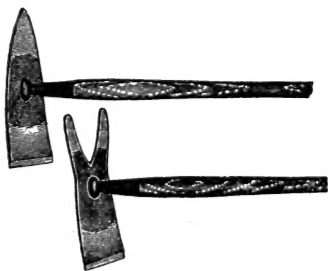


GARDEN HOES AND RAKES.

HOES. High grade steel, socket.....Each 60c
HOES. Good grade steel, socket.....Each 40c

WEEDING HOES.

1 Prong, 30c
2 Prong, 35c



CHAMPION GARDEN RAKES.

Made of polished wrought steel. The strongest and most durable rake on the market. 14 teeth. Each 55c, 16 teeth, Each 60c.

PLANT DIBBER.

Has wooden handle with solid steel point. Used in making holes for setting out plants. 35c.

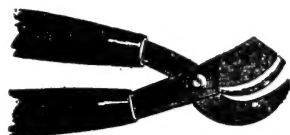


HANDY PRUNING SHEARS.

C. & C. Star, 8 in. blades, are made from tool steel. Spiral spring. Each 50c. By mail, 65c.
C. & C. California Pattern. A strictly high grade tool, with flat brass spring. Each 75c. By mail, 90c.

LONG HANDLE PRUNING SHEARS.

San Jose Pattern. For cutting off branches, etc. Very strong. Best steel blades. 26 inches long. Price, \$1.00.



ASPARAGUS KNIFE.



Made of best steel. Used also to cut Dandelion from lawns. 50c each.



GARDEN LINES.

These are made expressly for this purpose. Best braided, 100 feet 60c.
REELS. For same. Per set, 50c



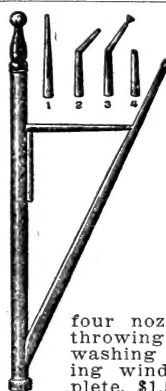
BELLOWS.

For powder. No. 14, holds 4 oz. Each....\$1.00
For powder. No. 19, holds 8 oz. Each 1.25

BARTEDES' FAULTLESS SPRAYER.



The best low-priced tin sprayer on the market. It throws a spray as fine as steam, and is very useful for applying Liquid Lice Killer in cracks and crevices about the poultry house, roosts, nest boxes, etc.; also about the hog pens. For applying insecticides onto rose bushes, shrubs, etc., it is unequaled. Price 75c.

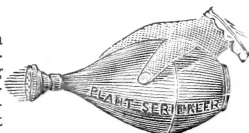


NOVELTY TIN SPRAY PUMP.

Is used in a bucket. Has four nozzles. Is especially adapted for throwing insecticides on bushes, white-washing chicken houses, etc., also washing windows, buggies, etc. Price, complete, \$1.50.

SCOLLAY'S SPRINKLER.

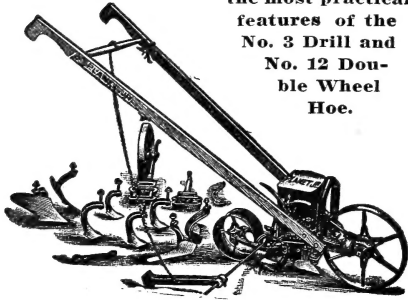
The very best. When once used you will wonder how you got along without it. For sprinkling plants, applying insecticides, etc., will last a lifetime. No. 1 large, \$1.; by mail, \$1.10. No. 2 has an angle neck, \$1; by mail, \$1.10. No. 3, medium, 75c; by mail, 80c. No. 4, small, 60c; by mail, 65c.



"Planet Jr." Garden and Farm Tools

Select the Tool You Like and Write for Prices

This tool combines the most practical features of the No. 3 Drill and No. 12 Double Wheel Hoe.



No. 25 Drill and Double Wheel Hoe Combined.

No. 25 Combined Hill and Drill Seeder and Double Wheel Hoe, Plow, Etc.

Will sow in drills and hills, 4, 6, 8, 12 or 24 inches apart, and has an automatic device for throwing out of gear, and the new combined cut-off and seed index with thumb screw adjustment. It is thoroughly substantial and accurate in sowing all kinds of garden seed in either hills or drills.

As a Wheel Hoe it is the very best machine on the market. The change from Drill to Wheel Hoe takes but a moment, and entire combination is one we can heartily recommend and guarantee satisfactory. Weighs 59 lbs.

No. 3 Hill and Drill Seeder.

It sows evenly in drills, and also drops in hills, at 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by moving a convenient lever; or the flow of seed is stopped by pushing down the feed rod. No time is lost; no seed is wasted. It is quickly set to sow different kinds of seed in the exact thickness desired. It covers and rolls down light or heavy, and marks the next row clearly. Holds three quarts. Weighs 44 lbs.

No. 5 Hill and Drill Seeder.

It is quite identical with No. 3, except its large hopper, has drive wheel 16½ inches in diameter, capacity five quarts. The machine is built slightly heavier, weighing 48 pounds.

Single Wheel Hoe, Cultivator and Plow.

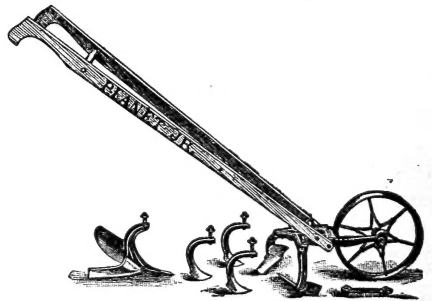
These tools have all the latest improvements offered in "Planet Jr." goods. The handles are adjustable in height. The wheel can readily be changed in height and from one side to the other of frame. The cultivator's teeth, hoes, plow, etc., are of high carbon steel, finely finished and "work to a charm."

The Nos. 16, 17, 17½ and 18 are all the same model, the only difference is in the working parts sold with each.

No. 13 Double Wheel Hoe.

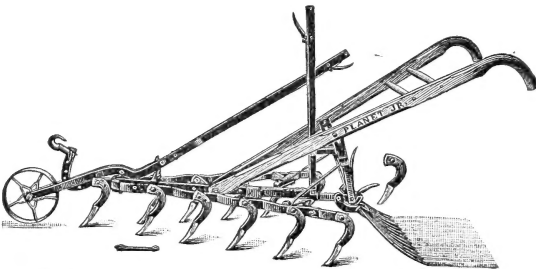
No. 13 has a high arch with only a pair of 6-inch hoes—the most useful tools of any. Unquestionably an onion grower gets more service from this low-priced tool for the amount invested of any tool we can offer. Double Wheel Cultivators are economical of time by working astride of the row. Weighs 25 lbs.

No. 12 has, in addition to the weeder blades, 2 plows and 4 cultivator teeth.



No. 17 Single Wheel Hoe.

"Planet Jr." Twelve-tooth Harrow and Cultivator



The "Planet Jr." No. 8 Horse Hoe and Cultivator.

Probably no other cultivating machine is so widely known as the "Planet, Jr." combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

This tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It has a high frame and the chisel shape teeth can cut an inch wide each. It may be set with teeth trailing.

The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion; it contracts to 12 inches, and may be further reduced in width by taking off the outside teeth; it expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them.

USEFUL TABLES

Quantity of Seed Required for a Given Number of Hills.

	Hills.
Pole Beans	2 lbs. to 50
Corn	1 lb. to 300
Cucumbers	1 oz. to 50
Watermelons	1 oz. to 30
Muskmelons	1 oz. to 60
Pumpkins	1 oz. to 20
Squash	1 oz. to 30
Okra	1 oz. to 100

Quantity of Seed Required for a Given Length of Drill.

	Feet of Drill.
Asparagus	1 oz. 50
Beet	1 oz. 60
Beans—dwarf	1 lb. 50
Carrot	1 oz. 150
Endive	1 oz. 100
Okra	1 oz. 40
Onions	1 oz. 50
Onion sets	1 oz. 20
Parsley	1 oz. 125
Parsnips	1 oz. 150
Peas	1 lb. 50
Radishes	1 oz. 100
Salsify	1 oz. 60
Spinach	1 oz. 100
Turnip	1 oz. 150

Table Showing the Number of Plants or Trees to the Acre of Given Distance.

Dist. apart.	No. Trees.	Dist. apart.	No. Trees.
1 foot	43,500	9 feet	567
1½ feet	19,360	12 feet	302
2 feet	10,890	15 feet	193
2½ feet	6,960	18 feet	134
3 feet	4,840	21 feet	98
4 feet	2,722	24 feet	75
5 feet	1,722	27 feet	59
6 feet	1,210	38 feet	40

Quantity of Seed Required for a Given Number of Plants.

	Plants.
Asparagus	1 oz. 300
Cabbage	1 oz. 2,000
Cauliflower	1 oz. 2,000
Celery	1 oz. 2,500
Leek	1 oz. 1,500
Endive	1 oz. 3,000
Egg Plant	1 oz. 1,000
Lettuce	1 oz. 3,000
Pepper	1 oz. 1,000
Tomato	1 oz. 1,300
Thyme	1 oz. 4,000
Sage	1 oz. 1,000
Savory	1 oz. 2,000
Marjoram	1 oz. 1,500
Rhubarb	1 oz. 500

Weights per bushel and amounts of seed sown to the acre.

	Lbs. per bu.	No. Lbs. to Acre.
Alfalfa Clover	60	20 to 30
Red Clover	60	12 to 15
White Clover	60	6 to 8
Alsike Clover	60	6 to 8
Timothy	45	10 to 15
Blue Grass	14	30 to 40

Red Top	14	20 to 30
Mixed Grasses	14	30 to 40
English Rye Grass	20	15 to 25
Oats	32	32 to 64
Barley	48	60 to 90
Corn	56	8 to 12
Orchard Grass	14	20 to 30
Hungarian	48	25 to 35
Common Millet	50	25 to 40
German Millet	50	25 to 40
Pemp	44	35 to 55
Flax	56	30 to 40
Buckwheat	52	26 to 52
Rye	56	60 to 90
Wheat	60	60 to 90
Sugar Cane for Fodder	50	50 to 100
Peas, Field	60	90 to 120
Top Onion Sets	28	250 to 300

In Drills.

Dwarf Beans	75 to 90
Early Peas	65 to 85
Marrowfat Peas	60 to 80
Beets	6 to 8
Mangel Wurzel	4 to 6
Carrots	2 to 3
Onions	4 to 5
Onions for Sets	20 to 30
Onion Sets	300 to 350
Parsnips	4 to 5
Radishes	6 to 8
Rutabagas	1 to 1½
Spinach	8 to 10
Salsify	10 to 12

Table to assist farmers and gardeners in making an accurate estimate of the amount of land in different fields under cultivation.

10 rods x 16 rods equal	1 acre
8 rods x 20 rods equal	1 acre
5 rods x 32 rods equal	1 acre
4 rods x 40 rods equal	1 acre
5 yards x 968 yards equal	1 acre
10 yards x 484 yards equal	1 acre
40 yards x 121 yards equal	1 acre
209 feet x 209 feet equal	1 acre
200 feet x 108.9 feet equal	½ acre
100 feet x 145.2 feet equal	¼ acre
100 feet x 108.9 feet equal	¼ acre

Weight of Different Manures to Apply to Different Crops per Acre.

Potatoes	Stable	15 to 30 tons
Mangel Wurzel	Stable	20 to 30 tons
Carrots	Stable	12 to 20 tons
Beans	Stable	12 to 20 tons
Onions	Stable	25 to 40 tons
Nitrate of Soda and Potash		250 lbs.
Salt		250 to 500 lbs.
Soot		1,000 to 1,500 lbs.
Concentrated Fertilizers for garden or field cultures		500 to 800 lbs.

Maturity Table.

Beans, table use	40 to 50 days
Beets, table use	50 to 70 days
Cabbages, early, for cutting	70 to 80 days
Cabbages, late, for cutting	100 to 120 days
Carrots, table use	60 to 70 days
Celery, table use	120 to 140 days
Sweet Corn, table use	65 to 80 days
Cucumbers, table use	45 to 60 days
Lettuce, table use	40 to 50 days
Melons, table use	65 to 90 days
Onions, for storage	80 to 120 days
Peas, table use	50 to 70 days
Radishes, table use	25 to 45 days
Tomato, table use	90 to 100 days
Turnips, for storage	65 to 90 days

WESTERN SEEDS

PURE, FRESH AND RELIABLE

